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# A Preliminary List of the Flora of the Perkiomen Region

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# A PRELIMINARY LIST

OF

## THE FLORA

OF

### The Perkiomen Region

BASED ON THE FIELD WORK OF

*W. Horton*  
PROF. DR. ~~WM.~~ A. KLINE *<U. Class of 1893>*

T. ROYCE BRENDLE

JOSEPH R. MUMBAUER

COMPILED BY THE ABOVE

1924

## FOREWORD

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Nobody appreciates more than we the incompleteness and imperfections of this preliminary list of the flora of the Perkiomen Region. We hesitated to have it published. We trust that its failings may lead to the publication of a "Flora of the Perkiomen Region."

The first botanist of the valley must have been Muhlenberg. It is not known that he wrote anything pertaining particularly to our region.

For many years members of the Philadelphia Botanical Club have collected in the valley. Many of their specimens are in the herbarium at the Academy of Natural Sciences, Philadelphia.

The late Rev. H. G. Allebach, of Green Lane, and Prof. Dr. ~~Wm.~~ A. Kline, of Collegeville, are the ones who created an interest in our plant life. They were followed by F. F. Huber, Rev. Wm. U. Kistler and Jos. R. Mumbauer. The last person to become interested in the flora of the valley was Rev T. Royce Brendle, of Green Lane.

About the year 1915 Dr. Kline, Brendle and Mumbauer began to make weekly collecting trips. This preliminary catalogue rests mostly upon the work done on these trips.

Some of the more remarkable plants found in the territory covered by this list are *Opuntia vulgaris*, commonly called Devil's Tongue by local people; *Betula populifolia*, *Pinus echinata*, whose range is further south; *Pinus pungens*, *Parnassia caroliniana*, *Jeffersonia diphylla*, *Dodecatheon media* and *Sarracenia purpurea*, (Pitcher Plant).

Many sections have not been collected over as yet. No work has been done in the swamps of the West Swamp Creek, nor has a thorough search been made of the hills called "Stone Hills," west of Schwenksville.

As a whole, we may say, that the banks of the Perkiomen Creek have been pretty well scoured and also the banks of the tributary streams where they enter the Perkiomen, but the swamps and woodlands in which the tributaries rise and which are very good botanizing grounds have been very indifferently searched, if at all.

Through the kindness of Messrs. Strohm and Benner, of Telford, we are able to include a number of very interesting plants from the North East Branch of the Perkiomen.

We express thanks to the many persons who pointed out to us the locations of many interesting plants.

We would also thank Dr. Fretz, of Sellersville, for a number of interesting plants. The nomenclature is according to Gray's New Manual.

*W. K. Korten*



## BIBLIOGRAPHY FOR FLORA OF THE PERKIOMEN REGION

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This is a most interesting list of the plants of Montgomery County. It seems as if few plants were included from the Perkiomen Region, the collecting having been done mostly along the Schuylkill River and the lower part of the county.
2. Porter's Flora of Pennsylvania, Boston, 1903.
3. Keller and Brown, Flora of Philadelphia and Vicinity, Philadelphia, 1905.
4. Taylor Catalogue of Plants growing within 100 miles of New York City, New York, 1915.
5. American Fern Journal, Vol. II, No. 4, Article on Ophioglossum vulgatum in Bucks and Montgomery Counties, by Joseph R. Mumbauer.
6. Illick Trees of Penna., Harrisburg, 1919.
7. Bartonian No. 6, 1913. Notes on the Flora of Upper Montgomery County, by Joseph R. Mumbauer.
8. Fretz's Revision of Moyer's Catalogue, of the Flora of Bucks County.
9. Pretz's Notes on the Flora of Lehigh County, N. Y., 1911.
10. Perkiomen Region, Vol. I, 1922. Article on Ferns, Orchids and Crowfoots, by F. F. Huber.
11. Dr. ~~Watt~~ A. Kline, Sketch on Quercus imbricaria X palustris (Allebach's Oak), in Forest Leaves, 1918.
12. In the Academy of Natural Sciences at Philadelphia are Van Pelt's note books with many notes on the Flora of the Perkiomen Region.

### PTERIDOPHYTA (Ferns and Fern Allies)

#### POLYPODIACEAE (Fern Family)

##### POLYPODIUM (Tourn.) L. Polypody

1. P. vulgare L. Common on mossy rocks and in rocky woods.

##### PHEGopteris (Presl) Fee. Beech Fern.

1. P. hexagonoptera (Michx.) Fee. Frequent in dry and damp open woods.
2. P. Dryopteris (L.) Fee. (Oak Fern.) Moist wooded hillsides, Powder Valley. Rare. (Pretz). Rocky wooded hillsides east side Perkiomen Creek, Spring Mount. (Kline and Mumbauer).

##### ADIANTUM (Tourn.) L. Maidenhair.

1. A. pedatum L. Rich moist woods. Frequent.

##### PTERIS L. Break or Bracken.

1. P. aquilina L. (Common Brake). Frequent in thickets and on hillsides.

##### CHEILANTHES Sw.

1. C. lanosa (Michx.) Watt. Lover's Leap near Sumneytown. On cliffs east side Perkiomen Creek, west of Red Hill. On cliffs along West Swamp Creek, near Ziegler'sville.



**PELLAEA Link. Cliff Brake.**

1. *P. atropurpurea* (L.) Link. Dry calcareous rocks, Spinnerstown. (Rev. W. U. Kistler). On calcareous rocks Mill Hill (Mumbauer). Rare at both stations.

**ASPLENIUM L. Spleenwort.**

1. *A. Trichomanes* L. Frequent on shaded rocks.
2. *A. platyneuron* (L.) Oakes. Rocky banks and rocky open woods. Common.
3. *A. angustifolium* Michx. In a boggy place near Ziegler'sville. Rare. (Mumbauer). Still extant in 1916 but not since found.
4. *A. acrostichoides* Sw. Rich moist woods, frequent.
5. *A. Felix-foemina* (L.) Bernh. (Lady Fern.) Common in moist and dry woods.

**CAMPTOSORUS Link. Walking Leaf.**

1. *C. rhizophyllus* (L.) Link. Frequent on moist shaded rocks.

**POLYSTICHUM Roth.**

1. *P. acrostichoides* (L.) Schott. (Christmas Fern). Rocky woods and banks. Common.  
Var. *Schweinitzii* (Beck) Small. (*Aspidium acrostichoides*, var. *incisum* (Gray). Occasional with the species.

**ASPIDIUM Sw. Shield Fern. Wood Fern.**

1. *A. Thelypteris* (L.) Sw. Common in marshy places.
2. *A. noveboracense* (L.) Sw. Frequent in rich open woods.
3. *A. marginale* (L.) Sw. (Evergreen Wood Fern). Rocky hillsides and rich woods. Common.
4. *A. Goldianum* Hook. (Goldie Fern). Rich woods, Ziegler'sville. Rare. (Pretz and Mumbauer).
5. *A. Boottii* Tuckerm. Low wet woods along Underkoffler's meadows. Rare, and the only station known in the region. (Brendle and Mumbauer). Specimens nearly three feet long were collected.
6. *A. cristatum* (L.) Sw. Moist woods. Frequent.  
Var. *Clintonianum* D. C. Eaton. Rich low woods near Kumry. (Mumbauer). Rich woods near Zionsville. (Mumbauer). Rare at both stations.
7. *A. spinulosum* (O. F. Mueller) Sw. Frequent in rich woods and along roadsides.  
Var. *intermedium* (Muhl.) D. C. Eaton. Deep rich woods throughout the region.

**CYSTOPTERIS Bernh. Bladder Fern.**

1. *C. fragilis* (L.) Bernh. Shaded cliffs and rich low woods. Frequent.

**WOODSIA R. Br.**

1. *W. obtusa* (Spreng.) Torr. Rocky banks, dry and moist cliffs. Common.

**DICKSONIA L'Her.**

1. *D. punctilobula* (Michx.) Gray. Frequent in various locations.

**ONOCLEA L.**

1. *O. sensibilis* L. (Sensitive Fern). Frequent in thickets and moist open places.

**OPHIOGLOSSUM (Tourn.) L. Adder's Tongue.**

1. *O. vulgatum* L. Wet meadows, Pennsburg. Rare. (Mumbauer). Moist meadows, Finland. (Witmer Stone). Moist low woods near Kumry. Rare. (Mumbauer). Moist woods, Zionsville. Rare. (Mumbauer). Bog near Ziegler'sville. (Kline and Brendle). Underkoffler's meadows. (Brendle and Mumbauer). Very abundant at the two last named stations.

**OSMUNDA (Tourn.) L. Flowering Fern.**

1. *O. regalis* L. (Flowering Fern). Deep rich woods and moist open places. Not common.
2. *O. Claytoniana* L. Low grounds and moist wooded hillsides. Frequent.
3. *O. cinnamomea* L. (Cinnamon Fern.) Deep rich woods and moist open places. Frequent.

**BOTRYCHIUM Sw. Moonwort.**

1. *B. simplex* E. Hitchcock. Moist shaded woods near Finland. Rare. (Mumbauer). Wet woods, Zionsville. Rare. (Mumbauer).
2. *B. ramosum* (Roth.) Aschers. Wet woods, Zionsville. (Mumbauer). Moist low woods, Finland. (Mumbauer). Rare at both stations.
3. *B. obliquum* Muhl. Pastures and open woods. Frequent.  
Var. *dissectum* (Spreng.) Clute. With the typical form.  
Var. *elongatum*. Gilbert & Habereer. With the typical form.
4. *B. viriginanum* (L.) Sw. Common in rich woods.

**EQUISETACEAE (Horsetail Family).**

**EQUISETUM (Tourn.) L. Horsetail.**

1. *E. arvense* L. (Common H.) Common, especially along railroads.
2. *E. sylvaticum* L. In a bog above Pennsburg reservoir. Rare. University Camp, above Sumneytown. Very abundant.
3. *E. hyemale* L. (Scouring Rush.) Local in woods near Kumry. Abundant along railroad at Perkiomenville and Spring Mount.

**LYCOPODIACEAE (Club Moss Family).**

**LYCOPodium L. Club Moss.**

1. *L. lucidulum* Michx. Frequent in cold damp woods.
2. *L. clavatum* L. Dry woods, Zionsville and Perkiomenville. Rare.
3. *L. obscurum* L. Low grounds and wooded hillsides. Frequent.
4. *L. complanatum* Var. *flabelliforme* Fernald. Dry woods. Common.

**SALAGINELLACEAE**

**SALAGINELLA Beauv.**

1. *S. apus* (L.) Spring. Low damp shady places. Common.

**ISOETACEAE (Quillwort Family.)**

**ISOETES L. Quillwort.**

1. *I. Engelmann* A. Br. Muddy ditches, and along Ridge Valley Creek. Rare.

**TAXACEAE (Yew Family).**

**TAXUS (Tourn.) L. Yew.**

1. *T. canadensis* Marsh. (American Yew., Ground Hemlock.) Locally abundant in woods at Green Lane, Sumneytown, Perkiomenville, Spring Mount and Hendricks.

**PINACEAE (Pine Family).**

**PINUS (Tourn.) L. Pine.**

1. *P. Strobus* L. (White P.) Dry fields and hillsides. Frequent.
2. *P. rigida* Mill. (Pitch P.) Frequent in barren soil
3. *P. virginiana* Mill (Jersey or Scrub Pine). Barren fields and sterile hillsides. Common.
4. *P. pungens* Lamb. (Table Mountain Pine.) Cedar woods near Hoppenville. Rare. (Brendle). Jan 1, 1924.
5. *P. echinata* Mill. (Yellow Pine). In woods two miles east of Sumneytown. (Brendle). About twenty five fair sized trees.

**TSUGA (Endl.) Carr. Hemlock.**

1. *T. Canadensis* (L.) Carr. Hilly or rocky woods. Frequent.

**JUNIPERUS (Tourn.) L. Juniper.**

1. *J. communis* L. (Common J.) Frequent in dry soil.
2. *J. virginiana* L. (Red Cedar or Savin). Woods, swamps and dry open soil.

**TYPHACEAE (Cat-tail Family).**

**TYPHA (Tourn.) L. Cat-tail Flag.**

1. *T. latifolia* L. (Common C.) Frequent in marshy grounds.
2. *T. angustifolia* L. Similar locations but less frequent than the preceding.

**SPARGANIACEAE (Bur-reed Family).**

**SPARGANTIUM (Tourn.) L. Bur-reed.**

1. *S. eurycarpum* Engelm. Borders of streams and still ponds. Common.
2. *S. americanum* Nutt. In ditches, etc., Green Lane and Sumneytown. (Brendle).  
Var. *androcladum* (Engelm.) Fernald & Eames. Similar places like the preceding.

**NAJADACEAE (Pondweed Family).**

**POTAMOGETON (Tourn.) L. Pondweed.**

1. *P. heterophyllus* Schreb. Common in still or flowing waters.
2. *P. crispus* L. Perkiomen and Rich Valley creeks.
3. *P. epiphydrus* Raf. Unami Creek near Sumneytown.
4. *P. perfoliatus* L. Perkiomen Creek at Green Lane. (Allebach).
5. *P. americanus* C. & S. Unami Creek near Sumneytown.
6. *P. pectinatus* L. Creeks and brackish waters. Frequent.
7. *P. pusillus* L. Frequent in streams and ponds.
8. *P. amplifolius* Tuckerm. Unami Creek above Sumneytown.

**NAJAS L. Naiad.**

1. *N. flexilis* (Willd.) Rostok & Schmidt. Unami Creek near Sumneytown.

**ALISMACEAE (Water-plantain Family).**

**Sagittaria L. Arrow-head.**

1. *S. latifolia* Willd. In water or wet places. Common.
2. *S. longirostra* (Michx.) J. G. Sm. Underkoffler's and Hevener's meadows. Rare. (Brendle).

**ALISMA L. Water Plantain.**

1. *A. Plantago-aquatica* L. Shallow water and muddy places. Common.

**HYDROCHARITACEAE (Frog's Bit Family).**

**ELODEA Michx. Water-weed.**

1. *E. canadensis* Michx. Frequent in slow streams and ponds.

**VALLISNERIA (Michx.) L. Tape Grass, Eel Grass.**

1. *V. spiralis* L. Perkiomen Creek, where it enters the Schuylkill River.

**GRAMINEAE.**

**ANDROPOGON (Royer) L.**

1. *A. scoparius*, Michx. Common.
2. *A. virginicus*, L. Not very common. In meadows Green Lane and Sal-fordville.
3. *A. furcatus*, Muhl. Common.

**SORGHASTRUM, Nash.**

1. *S. nutans* (L) Nash. Common.

**DIGITARIA SCOP.**

1. *D. filiformis* (L) Koeler. Rather frequent. Old Goshenhoppen, Unami Creek Road.
2. *D. humifusa*, Pers. Common in fields and waste places.
3. *D. sanguinalis* (L) Scop. Common in fields and waste places.



#### PASPALUM L.

1. *P. laeve* Michx. In fields. Green Lane.
2. *P. pubescens* Muhl. In fields. Green Lane
3. *P. circulare* Nash. In fields. Green Lane.  
*P. setaceum*, Michx, according to Taylor and Keller and Brown is general in the county. The genus presents difficulty when gathered in fields or meadows that have been cut over. There is a note that *P. Muhlenbergii*, Nash, was collected along the Unami Creek Road above Sumneytown.

#### PANICUM L.

1. *P. capillare* L. Common in fields.
2. *P. Gattingeri* Nash. Rather common. First seen along ditches back of Perkiomenville.
3. *P. flexile* (Gattinger) Scribn. Found first in Hevener's Swamp, later in Underkoffler's Swamp. Rather plentiful at these two places.
4. *P. philadelphicum* Bernh. Rather common in moist woodland and ways. Perkiomenville.
5. *P. dichotomiflorum* Michx. Common in wet, often waste, ground.
6. *P. virgatum* L. Along the banks of the Branch Creek below Lederachville. Rare.
7. *P. agrostoides* Spreng. Meadows at Perkiomenville.
8. *P. stipitatum* Nash. Rather common in the Unami Creek Valley, and at Perkiomenville.
9. *P. depauperatum* Muhl. Common in dry woodland places.
10. *P. linearifolium* Scribn. Rather common in dry woodlands.
11. *P. dichotomum* L. In woods, Ziegler'sville and Green Lane.
12. *P. Lindheimeri* Nash. In woods, Old Goshenhoppen.
13. *P. hauchucae* Ashe. In woods, Sumneytown.
14. *P. tennesseense* Ashe. In woods, Green Lane.
15. *P. sphaerocarpon* ELL. On Stone Hill back of Ziegler'sville.
16. *P. polyanthes* Schultes. On Spring Mount Hill.
17. *P. Ashei* Pearson. At Lovers' Leap, below Sumneytown.
18. *P. Scribnerianum* Nash. On railroad banks at Green Lane.
19. *P. clandestinum* L. In Brey's woods at Perkiomenville.
20. *P. Boscii* Poir. At Lover's Leap below Sumneytown.
21. *P. latifolium* L. In Deep Creek Valley near Brendlinger's.

#### ECHINOCHLOA BEAUV.

1. *E. crusgalli* (L) Beauv. Common weed.
2. *E. Walteri* (Pursh) Nash. Not common. Branch Creek below Lederachville.

#### SETARIA BEAUV.

1. *S. imberbis* R. & S. Rare. In swamp at Ziegler'sville.
2. *S. glauca* (L) Beauv. In fields.
3. *S. verticillata* (L) Beauv. In fields Green Lane.
4. *S. viridis* (L) Beauv. In fields and in waste places.
5. *S. italica* (L) Beauv. Occasionally persisting.

#### LEERSIA Sw.

1. *L. virginica* Willd. In wet woods and ditches. Rather common.
2. *L. oryzoides* (L) Sw. In similar places as the preceding.

#### PHALARIS L.

1. *P. arundinacea* L. Not frequent in alluvial soil along creeks.

#### ANTHOXANTHUM L.

1. *A. odoratum* L. Common.

#### ORYZOPSIS Michx.

1. *O. racemosa* (Sm.) Ricker. In woods, Sumneytown, Perkiomenville and Hendricks.

#### ARISTIDA L.

1. *A. dichotoma* Michx. Common along roadsides.
2. *A. gracilis* Ell. Not common. Hevener's swamp.

#### MUHLENBERGIA Schreb.

1. *M. sobolifera* (Muhl) Trin. In rocky woods. Branch Creek near Bergey, and near Camp Delmont.
2. *M. tenuiflora* (Willd) BSP. In woods above Sumneytown.
3. *M. sylvatica* Torr. In woods, Green Lane.
4. *M. foliosa* Trin. In Hevener's and Underkoffler's Swamps.
5. *M. mexicana* (L) Trin. In waste places, Green Lane.
6. *M. racemosa* (Michx.) BSP. In Underkoffler's Swamp.
7. *M. Schreberi* J. F. Gmel. Common. Green Lane.

#### BRACHYELTRUM Beauv.

1. *B. erectum* (Schreb.) Beauv. Not common. Stone Hill near Neiffer's.

#### PHLEUM L.

1. *P. pratense* L. Common.

#### SPOROBOLUS R. Br.

1. *S. vaginiflorus* (Torr.) Wood. Common along roadsides.

#### AGROSTIS L.

1. *A. alba* L. Common.
2. *A. hyemalis* (Walt) BSP. Occasionally met with along Branch Creek.
3. *A. perennans* (Walt) Tuckerm. Frequent in woods.  
Var. *elata* (Pursh) Hitchc. In Smith's woods, Green Lane.
4. *A. canina* L. In meadow, Perkiomenville.
5. *A. antecedens* Bicknell. In meadow at University Camp, above Sumneytown.

#### CALAMAGROSTIS ADANS.

1. *C. canadensis* (Michx) Beauv. In Etttinger's Swamp, back of Perkiomenville, in meadow near Sumneytown and in meadow near Underkoffler's

#### CINNA L.

1. *C. arundinacea* L. In woods near University Camp, above Sumneytown. Also near Lederach.

#### HOLCUS L.

1. *H. lanatus* L. Common.

#### TRISETUM Pers.

1. *T. spicatum* (L) Richter. The late Rev. H. G. Allebach repeatedly stated that he had found it in the Deep Creek Valley.

#### SPHENOPHOLIS Scribn.

1. *S. obtusata* (Michx.) Scribn. McLean's Station. Found bby Allebach.
2. *S. nitida* (Spreng.) Scribn. Woods, Sumneytown and Green Lane. Plentiful.
3. *S. pallens* (Spreng.) Scribn. Woods. Common.
4. *S. palustris* (Michx.) Scribn. Common in swampy places

#### ARRHENATHERUM Beauv.

1. *A. elatius* (L) Beauv. Common.

#### DANTHONIA DC.

1. *D. spicata* (L) Beauv. Common.

#### ELEUSINE Gaertn.

1. *E. indica* Gaertn. Common weed.

#### ERAGROSTIS Beauv.

1. *E. capillaris* (L) Nees. Near Old Goshenhoppen.
2. *E. Frankii* (Fisch, Mey. & Lall). In alley at Green Lane.
3. *E. pilosa* (L) Beauv. Common.
4. *E. Purshii* Schrad. Along road below Salfordville.

5. *E. megastachya* (Koeler) Link. Common.
6. *E. pectinacea* (Michx.) Steud. Dry places, Green Lane.  
A form taken down to the Academy of Natural Sciences was identified as
7. *E. peregrina*. In garden at Frederick.

#### DACTYLIS L.

1. *D. glomerata* L. Common.
- Cynosurus cristatus* L. Telford Borough. (Sttroh).

#### POA L.

1. *P. annua* L. Common.
2. *P. compressa* L. Common.
3. *P. pratensis* L. Common.
4. *P. trivialis* L. Common.
5. *P. brachyphylla* Schultes. Not common in woods, Sumneytown and Ziegler'sville.
6. *P. sylvestris* Gray. Woods, Perkiomenville.

#### GLYCERIA R. Br.

1. *G. canadensis* (Michx.) Trin. One station, Underkoffler's Swamp.
2. *G. nervata* (Willd.) Trin. Common.
3. *G. grandis* (Wats.) Rare. Found by Allebach in meadow near Pennsburg.
4. *G. pallida* (Torr.) Trin. Rare. In ditch above Finland.
5. *G. septentrionalis* Hitchc. Rather common in low swamps along the Unami Creek above Sumneytown.

#### FESTUCA L.

1. *F. ovina* L. In lawns, Green Lane.
2. *F. elatior* L. Common.  
Allebach in a list submitted to the compiler had *F. octoflora* Walt. and *F. nutans* Spreng entered as found in Green Lane. After Allebach's death that part of his herbarium which was at Green Lane was gone through, but the plants were not found preserved there.

#### BROMUS L.

1. *B. secalinus* L. Fields.
2. *B. racemosus* L. Fields.
3. *B. tectorum* L. Roadsides. Not infrequent.
4. *B. sterilis* L. Roadsides, Perkiomenville.
5. *B. purgans* L. In woods. Not infrequent along the Perkiomen Creek.
6. *B. ciliatus* L. Listed by Allebach from Green Lane.

#### LOLIUM L.

1. *L. perenne* L. Common.

#### AGROPYRON Gaertn.

1. *A. repens* (L) Beauv. Common.

#### HORDEUM (Tourn.) L.

1. *H. jubatum* L. Infrequently met with, Green Lane.

#### ELYMUS L.

1. *E. striatus* Willd. Deep Creek dam at Green Lane.
2. *E. virginicus* L. In woods, Green Lane.
3. *E. canadensis* L. In woods, Green Lane.

#### HYSTRIX Moench.

1. *H. patula* Moench. Woods at Lover's Leap, Sumneytown. Not infrequent in valley.

#### CYPERACEAE.

#### DULICHIMUM L. C. Rich.

1. *D. arundinaceum* (L) Britton. Common.



#### CYPERUS L.

1. *C. rivularis* Kunth. Common.
2. *C. aristatus* Rottb. In fields near Woxall; Lover's Leap, Sumneytown.
3. *C. esculentus* L. Rather common.
4. *C. var. leptostachyus* Boeckl. In ditches at Green Lane.
5. *C. strigosus* L. Common.
6. *C. filiculmis* Vahl. Rather common.

#### ELEOCHARIS R. Br.

1. *E. obtusa* (Willd) Schultes. Common.
2. *E. Engelmanni* Steud. In Underkoffler's Swamp.
3. *E. palustris* (L) R. & S. Common.
4. *E. acicularis* (L) R. & S. Common.
5. *E. tenuis* (Willd) Schultes. Common.

#### STENOPHYLLUS Raf.

1. *S. capillaris* (L) Britton. On railroad banks, Green Lane.

#### FIMBRISTYLIS Vahl.

1. *F. autumnalis* (L) R. & S. In Underkoffler's Swamp, Hevener's Swamp.

#### SCIRPUS (Tourn) L.

1. *S. planifolius* Muhl. Common in woodlands.
2. *S. validus* Vahl. Not infrequent.
3. *S. sylvaticus* L. Not uncommon.
4. *S. atrovirens* Muhl. Common.
5. *S. georgianus* Harper. In Underkoffler's Swamp.
6. *S. polyphyllus* Vahl. In swamps, Green Lane and Perkiomenville.
7. *S. lineatus* Michx. Swamp near Spring Mount.
8. *S. cyperinus* (L) Kunth. Deep Creek dam.  
Var. *pelius* Fernald. In swamp near Zieglersville.
9. *S. debilis* Pursh. West Rockhill Township. (Strohm).

#### ERIOPHORUM L.

1. *E. gracile* Roth. In swamp near Sumneytown and also at Pleasant Run.

#### HENNICARPHA, Trees and Arm.

1. *H. micrantha* (Vahl) Britton. West Rockhill Township. (Strohm).

#### RYNCHOSPORA Vahl.

1. *R. alba* (L) Vahl. Underkoffler's Swamp, Hevener's Swamp. Not frequent.
2. *R. glomerata* (L) Vahl. In low swamps. Common.

#### SCLERIA BERGIUS.

1. *S. pauciflora* Muhl. In Underkoffler's Swamp; in meadow near Perkiomenville.

#### CAREX (Ruppius) L.

1. *C. scoparia* Schkuhr. Plentiful.
2. *C. tribuloides* Wahlenb. Common.
3. *C. cristata* Schwein. Rather frequent.
4. *C. mirabilis* Dewey. Dry places, Perkiomenville and Green Lane.
5. *C. straminea* Willd. Listed from Green Lane by Allebach.
6. *C. hormathoides* Fernald, var. *Richii* Fernald. Green Lane.
7. *C. foena* Willd. Rare. On rocks in woods above Sumneytown.
8. *C. stellulata* Good. Green Lane. Not infrequent.
9. Var. *ormantha* Fernald. Swamp near Zieglersville.
10. Var. *cephalantha* (Bailey) Fernald. Green Lane and Sumneytown.
11. Var. *angustata* Carey. University Camp meadow.
12. *C. scirpoides* Schkuhr. Rather frequent in low grassy swamps.
13. *C. bromoides* Schkuhr. Swamps, Zieglersville, Deep Creek, Unami Creek.
14. *C. rosea* Schkuhr. In woods, Green Lane.
15. Var. *radiata* Dewey. In woods and meadows, Green Lane.

16. *C. retroflexa* Muhl. Common.
17. *C. Muhlenbergii* Schkuhr. Common.
18. *C. cephalophora* Muhl. Common.
19. *C. Leavenworthii* Dewey. Rare. In Smith's woods, Green Lane.
20. *C. sparganoides* Muhl. In rich woods. Not frequent Green Lane and Sumneytown.
21. *C. cephaloidea* Dewey. Green Lane, in woods along the Deep Run.
22. *C. alopecoidea* Tuckerm. In woods, Sumneytown.
23. *C. vulpinoidea* Michx. Common.
24. *C. setacea* Dewey, var. *ambigua* (Barratt) Fernald. Common.
25. *C. conjuncta* Boott. Spring Mount.
26. *C. stipata* Muhl. Common.
27. *C. crinita* Lam. Common.
28. *C. torta* Boott. Common along streams.
29. *C. Goodenowii* J. Gay. Rare. In ditch along the Deep Creek road.
30. *C. stricta* Lam. Common.
31. *C. Var. angustata* (Boott) Bailey. In marshes Green Lane, Perkiomenville.
32. *C. leptalea* Wahlenb. Rather frequent.
33. *C. polygama* Schkuhr. Rather frequent in wet meadows.
34. *C. triceps* Michx. var. *hirsuta* (Willd.) Bailey. Common.
35. *Var. Smithii* Porter. Rather common Green Lane.
36. *C. virescens* Muhl. Rare in woods Sumneytown.
37. *C. Davisii* Schwein & Torr. Not frequent. Perkiomenville and Green Lane.
38. *C. gracillima* Schwein. Common Sumneytown, Green Lane, Zieglersville.
39. *C. Willdenowii* Schkuhr. Very plentiful.
40. *C. Jamesii* Schwein. Rare. One station near Hendricks.
41. *C. umbellata* Schkuhr. Rather common.
42. *C. nigro-marginata* Schwein. On dry rocky woodland hills, Green Lane.
43. *C. communis* Bailey. Common.
44. *C. varia* Muhl. Common.
45. *C. pennsylvanica* Lam. Common.
46. *Var. lucorum* (Willd.) Fernald. Rich open woodlands, Green Lane.
47. *C. pubescens* Muhl. Common.
48. *C. tetanica* Schkuhr. Meadow's Green Lane.
49. *Var. Meadii* (Dewey) Bailey. Common.
50. *C. prasina* Wahlenb. Common Green Lane.
51. *C. pedunculata* Muhl. Rather frequent along the rocky banks of the Perkiomen and Unami Creeks.
52. *C. platyphylla* Carey. Common.
53. *C. laxiculmis* Schwein. Not common Green Lane.
54. *C. digitalis* Willd. Very common.
55. *C. ptychocarpa* Steud. Listed by Allebach. May occur above Hoppenville on Cedar Ridge.
56. *C. laxiflora* Lam. Green Lane woods. Not common.
57. *Var. patulifolia* (Dewey) Carey. Common.
58. *Var. Michauxii* Bailey. In Rich Valley, according to Allebach's list.
59. *Var. styloflexa* (Buckley) Boott. Sumneytown woods. Occasional.
60. *Var. blanda* (Dewey) Boott. Common.
61. *Var. latifolia* Boott. Green Lane on Forge Hill.
62. *C. oligocarpa* Schkuhr. Hendricks Station, near creek.
63. *C. conoidea* Schkuhr. Common.
64. *C. grisea* Wahlenb. Common.
65. *C. glaucodea* Tuckerm. Common.
66. *C. Granularis* Muhl. Common.
67. *C. longirostris* Torr. Delphi, Perkiomenville, Sumneytown.
68. *C. scabrata* Schwein. Listed by Allebach from Finland.
69. *C. lanuginosa* Michx. Common.
70. *C. vestita* Willd. Listed by Allebach from Sumneytown.
71. *C. trichocarpa* Muhl. Common.

72. *C. squarrosa* L. Sumneytown and Green Lane.
73. *C. typhnoides* Schwein. Listed by Allebach from Green Lane.
74. *C. hystericina* Muhl. Common.
75. *C. lurida* Wahlenb. Common.
76. *C. lupulina* Muhl. Not frequent. Sumneytown.
77. *C. Grayi* Carey. Green Lane, Ziegler'sville, Perkiomenville, Sumneytown.
78. *C. intumescens* Rudge. Listed from Green Lane by Allebach.
79. *Carex pennsylvanica* X *umbellata*. In Smith's woods and on Forge Hill, Green Lane. Dry hills, near Underkoffler's Swamp.

#### ARASEAE (Arum Family)

##### ARISAEMA Martius, Indian Turnip, Dragon Arum.

1. *A. triphyllum* (L.) Schott. (Jack-in-the-Pulpit.) Rich woods and thickets. Common.
2. *A. pusillum* Nash. Headwaters Perkiomen Creek. Rare. Underkoffler's meadows, common. Along Hosensack Creek above Hosensack station. Very abundant.  
Var. *albidum* with the species.
3. *A. Dracontium* (L.) Schott. Woods, Green Lane, Sumneytown and Camp Delmont. Rare. Woodlands along Perkiomen Creek, West of East Greenville. Abundant.

##### PELTANDRA Raf. Arrow Arum.

1. *P. virginica* (L.) Kunth. Along Macoby Creek at McLean's Station. Rare. (Mumbauer).

##### SYMPLOCARPUS Salisb. Skunk Cabbage.

1. *S. foetidus* (L.) Nutt. Common in bogs and moist grounds.

##### ORONTIUM L. Golden Club.

1. *O. aquaticum* L. Rodman's meadows, near Pennsburg. Along Unami Creek above Sumneytown. Very abundant in a bog near Ziegler'sville.

##### ACORUS L. Sweet Flag, Calamus.

1. *A. Calamus* L. Frequent along streams and in swamps.

##### LEMNACEAE (Duckweed Family).

##### LEMNA L. Duckweed, Duck's-meat.

1. *L. trisulca* L. Abundant in the Rich Valley Creek at Underkoffler's meadows. (Brendle).
2. *L. minor*. Very common in ponds and stagnant waters.

##### SPIRODELA Schleid.

1. *S. polyrhiza* (L.) Schleid. Abundant in the Perkiomen Creek.

##### COMMELINACEAE (Spiderwort Family).

##### TRADESCANTIA (Rupp.) L. Spiderwort.

1. *T. virginica* L. Common in woods below Kratz's station. Hendricks and Perkiomenville. Rare.

##### COMMELINA (Plum.) L. Day-flower.

1. *C. communis* L. Frequent in various locations.

##### PONTEDERICEAE (Pickrel-weed Family).

##### HETERANTHERA R. & P. Mud Plantain.

1. *H. reniformis* R. & P. Frequent in mud or shallow water.
2. *H. dubia* (Jacq.) Mack. Common in streams. Especially in the Perkiomen.

##### JUNCUS (Tourn.) L.

1. *J. bufonius* L. Rather common along roadsides.
2. *J. tenuis* Willd. Common.
3. Var. *anthelatus* Wiegand. In Brey's woods near Perkiomenville.
4. *J. secundus* Beauv. Not infrequent.
5. *J. Dudleyi* Wiegand. Underkoffler's Swamp, and Swamp between Sumneytown and Perkiomenville.



6. *J. effusus* L. Common.
7. *J. canadensis* J. Gay. Not common. Underkoffler's.
8. *J. acuminatus* Michx. Spring Mount.
9. *J. marginatus* Rostk. Along roadsides in ditches.
10. *J. dichotomus* Ell. Deep Creek bog, above Deep Creek school house.

#### LUZULA DC.

1. *L. saltuensis* Fernald. In woods Sumneytown. Quite plentiful.
2. *L. campestris* (L.) DC. Common.

#### LILIACEAE (Lily Family).

##### CHAMAELIRIUM Willd. Devil's Bit.

1. *C. luteum* (L.) Gray. Woods and wet meadows, Zionsville. Rare. Moist wooded hillsides along Deep Creek, west of Green Lane. Moist woods, Perkiomenville, Sumneytown, Ziegler'sville and along Rich Valley Creek at Dietz's Mill.

##### MELANTHIUM L.

1. *M. latifolium* Desr. Low woods and wooded hillsides. Frequent.
2. *M. virginicum* L. (Bunch-flower). In a bog near Underkoffler's meadows. (Kline). Rare, and the only station known in the region.

##### VERATRUM (Tourn.) L. False Hellebore.

1. *V. viride* Ait. (American White Hellebore.) Swamps and low wet grounds. Frequent.

##### UVULARIA L. Bellwort.

1. *U. perfoliata* L. Frequent in rich woods.

##### OKESIA Wats.

1. *O. sessilifolia* (L.) Wats. Frequent in thickets and along streams.

##### ALLIUM (Tourn.) L. Garlic, Onion.

1. *A. tricoccum* Ait. (Wild Leek). Rich woods, meadows and along streams. Common.
2. *A. canadense* L. (Wild Garlic). Frequent in moist meadows.
3. *A. vineale* L. (Field Garlic.) Moist meadows and fields. Frequent.

##### HEMEROCALLIS L. Day Lily.

1. *H. Fulva* L. (Common Day Lily.) Common along roadsides and in moist woods, especially along streams. An escape from gardens.

##### LILIUM (Tourn.) L. Lily.

1. *L. philadelphicum* L. (Wood Lily.) Dry woods and roadsides. Rare.
2. *L. canadense* L. (Wild Yellow Lily.) Frequent in moist meadows and bogs.
3. *L. tigrinum* Ker. (Tiger Lily.) An escape from gardens, but growing wild on rocks in woods near Kratz's station. (Brendle).

##### ERYTHRONIUM L. Dog's-tooth Violet.

1. *E. americanum* Ker. (Yellow Adder's Tongue). Common in various locations.

##### ORNITHOGALUM (Tourn.) L. Star of Bethlehem.

1. *O. umbellatum* L. Frequent in cultivated grounds.

##### MUSCARI (Tourn.) Mill Grape Hyacinth.

1. *M. botryoides* (L.) Mill. Frequent in fields and along fence rows. An escape from gardens.

##### YUCCA (Rupp.) L. Bear Grass, Spanish Bayonet.

1. *Y. filamentosa* L. (Adam's Needle.) Occasionally spontaneous about gardens.

##### ASPARAGUS (Tourn.) L. Asparagus.

1. *A. officinalis* L. (Garden A.) A frequent escape.

**SMILACINA Desf. False Solomon's Seal.**

1. *S. racemosa* (L.) Desf. (False Spikenard). Low grounds and wooded hillsides. Frequent.
2. *S. stellata* (L.) Desf. Common in meadows and along roadside, Pennsburg. (Mumbauer).

**MAIANTHEMUM (Webber in) Wiggers.**

1. *M. canadense* Desf. Frequent in moist woods throughout our region.

**POLYGONATUM (Tourn.) Hill. Solomon's Seal.**

1. *P. biflorum* (Walt.) Ell. (Small S.) Moist and dry woods. Frequent.
2. *P. commutatum* (R. & S.) Dietr. (Great S.) Frequent in low grounds and woods.

**CONVALLARIA L. Lily of the Valley.**

1. *C. majalis* L. In woods near Kumry, and along the Macoby Creek, near Pennsburg. An occasional escape from gardens.

**MEDEOLA (Gronov.) L. Indian Cucumber-root.**

1. *M. virginiana* L. Moist rich woods and shaded ravines. Frequent.

**TRILLIUM L. Wake Robin, Birthroot.**

1. *T. erectum* L. (Ill-scented Wake Robin.) Headwaters Perkiomen Creek. Rare.
2. *T. grandiflorum* (Michx.) Salisb. Headwaters Perkiomen Creek. Rare. Moist woods near Zieglersville. Rare. (Helen Brendle).
3. *T. cernuum* L. Frequent in moist woods and shaded ravines.

**ALETRIS L. Colic-root, Star Grass.**

1. *A. farinosa* L. Sellersville. Rare. (Strohm).

**SMILAX (Tourn.) L. Green Brier, Cat Brier.**

1. *S. herbacea* L. (Carrion Flower.) Meadows and river banks. Frequent.
2. *S. rotundifolia* L. (Common Green Brier.) Thickets and along fence rows Common.
3. *S. hispida* Muhl. Moist thickets and woods. Frequent.

**DIOSCORACEAE (Yam Family.)**

**DIOSCOREA (Plumier.) L. Yam.**

1. *D. villosa* L. (Wild Yam-root.) Moist thickets, etc. Common.

**AMARYLLIDACEAE (Amaryllis Family.)**

**NARCISSUS (Tourn.) L.**

1. *N. Pseudo-Narcissus* L. (Daffodil.) Frequent in meadows and around dwellings.
2. *N. Poeticus* L. Established in woods near Finland.

**HYPOXIS L. Star Grass.**

1. *H. hirsuta* (L.) Coville. Meadows and open woods. Common.

**IRIDACEAE (Iris Family.)**

**IRIS (Tourn.) L. Fleur-de-Lis.**

1. *I. versicolor* L. (Larger Blue Flag.) Wet places, especially along creeks.
2. *I. prismatica* Pursh. (Slender Blue Flag.) Along East Branch, near Salfordville. (Brendle). Along the Skippack. (Kline).

**SISYRINCHIUM L. Blue-eyed Grass.**

1. *S. albidum* Raf. Along an old woods road north of Hosensack Station. (Mrs. Jos. R. Mumbauer).
2. *S. angustifolium* Mill. Common in meadows and fields.
3. *S. gramineum* Curtis. Meadows and damp woods. Common.

## ORCHIDACEAE (Orchis Family.)

### CYPRIPEDIUM L. Lady's Slipper, Mocassin Flower.

1. *C. parviflorum* Salisb. Var. *pubescens* (Willd.) Knight (Larger Yellow L.) Dry wooded hillsides, Green Lane. Moist woods near Zieglersville. Wet meadows near Finland. Hereford Hills. Woods, east side Perkiomen Creek near Spring Mount.
2. *C. acaule* Ait. (Stemless L.) Frequent in dry and moist woods.

### ORCHIS (Tourn.) L.

1. *O. spectabilis* L. (Showy O.) Rich woods. Frequent.

### HABENARIA Willd. Fringed Orchis.

1. *H. flava* (L.) R. Br. Frequent in wet open places.
2. *H. clavellata* (Michx.) Spreng. Bogs and moist woods. Rare and local.
3. *H. lacera* (Michx.) R. Br. (Ragged Fringed O.) Frequent in wet woods and moist open grounds.
4. *H. psycodes* (L.) Sw. Underkoffler's meadows near Avondale. Rare. (Brendle & Mumbauer).
5. *H. fimbriata* (Ait.) R. Br. Wet meadows near Zieglersville. Rare. (Mumbauer). Head waters Unami Creek. Rare. (Pretz).

### POGONIA Juss.

1. *P. ophioglossoides* (L.) Ker. Bog above Pennsburg reservoir. Rare. (Kistler & Mumbauer). Underkoffler's meadows; very common. (Brendle & Mumbauer). Meadows between Perkiomenville and Zieglersville. Rare. (Brendle).

### SPIRANTHES Richard, Lady's Tresses.

1. *S. gracilis* (Biegl.) Beck. Frequent in dry soil.
2. *S. vernalis* Engelm. & Gray. Underkoffler's meadows. Very rare. (Brendle & Mumbauer).
3. *S. lucida* (H. H. Eaton.) Ames. Bog near Pleasant Run. Rare. (Mumbauer). Wet meadows, Green Lane. Common. (Brendle).
4. *S. cernua* (L.) Richard. Frequent in bogs and wet land.

### EPIPACTIS (Haller.) Boehm.

1. *E. pubescens* (Willd.) A. A. Eaton. Chiefly on shady wooded hillsides. Not rare.

### CORALLORRHIZA (Haller.) R. Br. Coral Root.

1. *C. maculata* Raf. Moist woods, rather rare.
2. *C. odontorrhiza* Nutt. Moist woods. Rare.
3. *C. wisteriana* Conrad. Dry open woods above McLean's Station. Rare. (Mr. and Mrs. Jos. R. Mumbauer).

### MICROSTYLIS (Nutt.) Eaton. Adder's Mouth.

1. *M. unifolia* (Michx.) BSP. Dry woods under chestnut trees near Zionsville. Rare. (Mumbauer).

### APLECTRUM (Nutt.) Torr. Putty-root.

1. *A. hyemale* (Muhl.) Torr. Rich wooded hillsides near Pleasant Run. Rare. (Jacob Meng). Wooded hillsides, Sumneytown. Rare. (Brendle). Rich woods, Perkiomenville, not common. (Mumbauer).

## PIPERACEAE (Pepper Family).

### SAURURUS (Plumb.) L. Lizard's Tail.

1. *S. cernuus* L. In the Perkiomen Creek, from Perkiomenville south.

## SALICACEAE

### Salix (Tourn.) L.

1. *S. nigra* Marsh. Common.
2. *S. lucida* Muhl. Green Lane, on island in the Perkiomen Creek.



3. *S. fragilis* L. Common.
4. *Salba* Var. *vitellina* (L.) Koch. Common.
5. *S. babylonica* L. Common.
6. *S. cordata* Muhl. Common.
7. *S. discolor* Muhl. Common.
8. *S. petiolaris* Sm. Common.
9. *S. humilis* Marsh. Common.
10. *S. tristis* Ait. Common.
11. *S. sericea* Marsh. Green Lane, Perkiomenville.
12. *S. viminalis* L. Near University Camp.
13. *S. purpurea* L. Near University Camp.

**Populus (Tourn.) L.**

1. *P. alba* L. Common.
2. *P. tremuloides* Michx. Not infrequent.
3. *P. grandidentata* Michx. Frequent.
4. *P. balsamifera* L. An escape from cultivation near Sumneytown.
5. *P. candicans* Ait. Well established at Sumneytown.

**MYRICACEAE.**

**Myrica L.**

1. *M. asplenifolia* L. Abundant on hills above Hosensack station.

**JUGLANDACEAE.**

**Juglans L.**

1. *J. cinerea* L. Common.
2. *J. nigra* L. Common.

**Carya Nutt.**

1. *C. ovata* (Mill.) K. Koch. Common.
2. *C. laciniosa* (Michx. f.) Loud. Rather infrequent.
3. *C. alba* (L.) K. Koch. Common in some parts
4. *C. microcarpa* Nutt. Three trees near Woxall. Rare.
5. *C. glabra* (Mill.) Spach. Common.
6. *C. cordiformis* (Wang.) K. Koch. Common

**BETULACEAE.**

**Corylus (Tourn.) L.**

1. *C. americana* Walt. Common.
2. *C. rostrata* Ait. Green Lane. Plentiful above Camp Delmont at Sumneytown. Green Lane roadside.

**Ostrya (Michx.) Scop.**

1. *O. virginiana* (Mill.) K. Koch. Common.

**Carpinus (Tourn.) L.**

1. *C. caroliniana* Walt. Common.

**Betula (Tourn.) L.**

1. *B. lenta* L. Common.
2. *B. nigra* L. Common.
3. *B. populifolia* Marsh. One tree at Perkiomenville; one at Ziegler'sville; about 35 near Lederach. (Brendle).

**Alnus (Tourn.) Hill.**

1. *A. rugosa* (Du Roi) Spreng. Common.

**FAGACEAE.**

**Fagus (Tourn.) L.**

1. *F. grandifolia* Ehrh. Common.

**Castanea (Tourn.) Hill**

1. *C. dentata* (Marsh) Borkh. Common at one time but now disappearing.

**Quercus (Tourn.) L.**

1. *Q. alba* L. Common.
2. *Q. stellata* Wang. Lover's Leap at Sumneytown and in Deep Creek Valley.
3. *Q. bicolor* Willd. Common along the principal streams.
4. *Q. Muhlenbergii* Engelm. About 25 specimens at Lover's Leap near Sumneytown.

5. *Q. prinoides* Willd. One stand on the University Camp property.
6. *Q. prinus* L. Common.
7. *Q. rubra* L. Common.
8. *Q. palustris* Muench. Common.
9. *Q. coccinea*. Not frequent.
10. *Q. velutina* Lam. Common.
11. *Q. imbricaria* X *palustris*. A large specimen near Finland, found by the late Rev. Harvey Allebach.
12. *Q. alba* X *pinus*. One specimen near the iron bridge at Green Lane.

#### URTICACEAE.

##### *Ulmus* (Tourn.) L.

1. *U. fulva* Michx. Common.
2. *U. americana* L. Common.

##### *Celtis* (Tourn.) L.

1. *C. occidentalis* L. Common.
2. Var. *Crassifolia* (Lam.) Gray. Common.

##### *Humulus* L.

1. *H. Lupulus* L. Escape met not infrequently.

##### *Maclura* Nutt.

1. *M. pomifera* (Raf.) Schneider. An occasional escape.

##### *Broussonetia* L'Her.

1. *B. papyrifera* (L.) Vent. Along roadsides, Perkiomenville, Green Lane.

##### *Morus* (Tourn.) L.

1. *M. rubra* L. Common in woods.
2. *M. alba* L. Frequent along roadsides.

##### *Urtica* (Tourn.) L.

1. *U. dioica* L. In waste places. Quite common.

##### *Laportea* Gaud.

1. *L. canadensis* (L.) Gaud. In rich woods. Not infrequent.

##### *Pilea* Lindl.

1. *P. pumila* (L.) Gray. Common in shady woods.

##### *Boehmeria* Jasq.

1. *B. cylindrica* (L.) Sw. In swamps. Not infrequent.

#### SANTALACEAE (Sandalwood Family).

##### *COMANDRA* Nutt, Bastard Toad-flax.

1. *C. umbellata* (L.) Nutt. Frequent in dry grounds. Especially along borders of woods.

#### ARISTOLOCHACEAE (Birthwort Family).

##### *ASARUM* (Tourn.) L. Wild Ginger.

1. *A. canadense* L. Rich woods, frequent.  
Var. *reflexum* (Bicknell) Robinson. Woods near Ridge Valley church. (F. Strohm).

##### *ARISTOLOCHIA* (Tourn.) L. Birthwort.

1. *A. Sepentaria* L. (Virginia Snakeroot). Rich woods. Frequent.

#### POLYGONACEAE (Buckwheat Family).

##### *RUMEX* L. Dock, Sorrel.

1. *R. acetosella* L. A common weed.
2. *R. crispus* L. Swamps, Spring Mount. Rare.
3. *R. obtusifolius* L. Roadsides and ditches. Frequent.

##### *POLYGONUM* (Tourn.) L. Knotweed.

1. *P. aviculare* L. Common in yards, waste places, etc.
2. *P. erectum* L. Common.
3. *P. tenue* Michx. Frequent in dry soil.
4. *P. lapathifolium* L. Common about dwellings.
5. *P. Muhlenbergia* (Meisn.) Wats. Green Lane. Not common.
6. *P. pennsylvanica* L. Frequent in various locations.
7. *P. Hydropiper* L. Green Lane. Not common.
8. *P. acre* HKB. Green Lane. Rare.
9. *P. Persicaria* L. (Lady's Thumb). Common.
10. *P. hydropiperoides* Michx. Frequent in various locations.
11. *P. virginianum* L. Common in woods.
12. *P. arifolium* L. Low grounds. Common.

13. *P. sagittatum* L. Low grounds. Frequent.
14. *P. Convolvulus* L. Fields and hedges. Common.
15. *P. scandens* L. In fields and along hedges. Common.
16. *P. dumetorum* L. Woods near Lederach. Rare.
17. *P. cuspidatum* Sieb & Zucc. Green Lane. Escaped from gardens.
18. *P. Orientale* L. (Prince's Feather). Roadside, west of Green Lane.

#### FAGOPYRUM (Tourn.) Buckwheat.

1. *F. esculentum* Moench. (Buckwheat.) Remaining in fields as a weed after cultivation.

#### CHENOPODIACEAE (Goosefoot Family).

##### CHENOPODIUM (Tourn.) L.

1. *C. ambrosioides* L. (Mexican Tea). A common weed in waste places. Var. *anthelminticum* (L.) Gray. Same range as the preceding.
2. *C. Botrys* L. (Jerusalem Oak). Frequent in cultivated fields and waste grounds.
3. *C. glaucum* L. (Oak-leaved G.) Frequent in waste places.
4. *C. hybridum* L. Barnyard, Zieglersville.
5. *C. album* L. A common weed.
6. *C. Boscianum* Moq. Woods, Green Lane and Summeytown.

##### ATRIplex (Tourn.) L.

1. *A. patula* L. var. *hastata* (L.) Gray. Green Lane, and along roadside near Perkiomen Heights.

#### SALSOLA L. Saltwort.

1. *S. Kali* L. var. *tenuifolia* G. F. W. Mey. (Russian Thistle). Along R. between Pennsburg and Red Hill. Rare. (F. F. Huber). West Rock-hill Township, Bucks County. (F. Strohm).

#### AMARANTHACEAE (Tourn.) L.

##### AMARANTHUS (Tourn.) L. Amaranth.

1. *A. retroflexus* L. Common in cultivated grounds.
2. *A. hybridus* L. (Pigweed). Cultivated grounds. Frequent.
3. *A. paniculatus* L. (Purple A.) Fields, roadsides, etc. Common.
4. *A. spinosus* L. (Thorny A.) Along R. R. Gratersford. Fields, Collegeville. Rare at both stations. (Kline & Mumbauers).

#### PHYTOLACCACEAE (Pokeweed Family).

##### PHYTOLACCA (Tourn.) L. Pokeweed.

1. *P. decandra* L. (Common P.) Low grounds and rich woods. Frequent.

#### NYCTAGINACEAE (Four O'clock Family).

##### OXYBAPHUS L'Her.

1. *O. nyctagineus* (Michx.) Sweet. Locally along R. R. south of Spring Mount. (Kline & Mumbauer).

#### ILLECEBRACEAE (Knotweed Family).

##### SCLERANTHUS L. Knavel.

1. *S. annus* L. Fields and waste places. Locally abundant.

##### ANYCHIA Michx. Forked Chickweed.

1. *A. polygonoides* Raf. Mostly in open places.
2. *A. canadensis* (L.) BSP. Dry woods, etc. Frequent.

#### AIZOACEAE.

##### MOLLUGO L. Indian Chickweed.

1. *M. verticillata* L. (Carpet Weed). In cultivated grounds and along railroads. Frequent.

#### CARYOPHYLLACEAE (Pink Family).

##### SPERGULA L. Spurry.

1. *S. arvensis* L. (Corn S.) Fields, Pennsburg. Rare.

##### ARENARIA L. Sandwort.

1. *A. lateriflora* L. Woods near Kumry. Rare. (Mumbauer).
2. *A. serpyllifolia* L. (Thyme-leaved S.) Cultivated fields and waste grounds. Frequent.

#### STELLARIA L. Chickenweed, Starwort.

1. *S. media* (L.) Cyril. Waste places, woods and meadows. Frequent.
2. *S. pubera* Michx. (Great C.) Rocky woods and on shaded rocks. Common.



3. *S. longifolia* Muhl. Frequent in grassy places.

4. *S. graminea* L. Frequent in fields and along roadsides.

**CERASTIUM L. Mouse-ear Chickweed.**

1. *C. arvense* L. (Field M.) Dry or rocky places. Common.

2. *C. nutans* Raf. Moist rich soil. Common.

3. *C. vulgatum* L. (Common C.) Frequent in yards and fields.

**AGROSTEMMA L. Corn Cockle.**

1. *A. Githago* L. A common weed, especially in grain fields.

**LYNCHNIS (Tourn.) L. Campion.**

1. *L. alba* Mill. Dry fields and waste places. Not common.

2. *L. Flos Cuculi* L. Telford Borough. (F. Strohm).

**SILENE L. Catchfly, Campion.**

1. *S. antirrhina* L. (Sleepy C.) Frequent in dry fields and along railroads.

2. *S. dichotoma* Ehrh. Frequent in fields and about doorways.

3. *S. noctiflora* L. (Night-flowering Catchfly). Dry fields, Pennsburg. Rare.

4. *S. latifolia* (Mill.) (Britten & Rendle). Fields and roadsides. Rare.

5. *S. stellata* (L.) Ait. (Starry Campion). Wooded banks. Frequent.

**SAPONARIA L.**

1. *S. officinalis* L. (Bouncing Bet.) Roadsides, etc. Common.

2. *S. Vaccaria* L. (Cow-herb). Frequent in waste places and along railroads.

**TUNICA (Rupp.) Scop.**

1. *T. Saxifraga* (L.) Scop. Along railroad near Pennsburg. Rare. (Mumbauer).

**DIANTHUS L. Pink. Carnation.**

1. *D. Armeria* L. (Depford Pink). Dry fields and waste places. Common.

**PORTULACACEAE (Purslane Family).**

**CLAYTONIA (Gronov.) L. Spring Beauty.**

1. *C. virginica* L. Common in woods and along fencerows.

**PORTULACA (Tourn.) L. Purslane.**

1. *P. oleracea* L. (Common P.) Common in cultivated and waste grounds.

**CERATOPHYLLACEAE (Hornwort Family).**

**CERATOPHYLLUM L. Hornwort.**

1. *C. demersum* L. Frequent in ponds and slow streams.

**NYMPHAEACEAE (Water Lily Family).**

**NYMPHAEA (Tourn.) L. Yellow Pond Lily, Spatterdock.**

1. *N. advena* Ait. (Cow Lilly). Very common in creeks and stagnant waters.

**CASTALIA Salisb. Water Nymph, Water Lily.**

1. *C. odorata* (Ait.) Woodville & Wood. (Sweet-scented Water Lily). Perkiomen Creek, west of East Greenville. Rare.

2. *C. tuberosa* (Paine) Greene. Perkiomen Creek at Green Lane. Plentiful.

**RANUNCULACEAE (Crowfoot Family).**

**RANUNCULUS (Tourn.) L. Buttercup.**

1. *R. aquatilis* L. var. *cappilaceus* DC. (Common White Water C.) Perkiomen Creek, west of East Greenville. Rare. Ridge Valley Creek. Rare. (Brendle and Mumbauer).

2. *R. laxicaulis* (T&G.) Darby. (Water Plantain S.) Rodman's meadow, Pennsburg. Meadows near Zieglersville. Underkoffler's meadows.

3. *R. sceleratus* L. (Cursed C.) Common along railroad south of Pennsburg. Roadsides, Frederick.

4. *R. arbotivus* L. (Small flowered C.) Along brooks and shaded hillsides. Common.

5. *R. micranthus* Nutt. Lover's Leap, Sumneytown. (Brendle).

6. *R. recurvatus* Poir. (Hooked C.) Frequent in woods.

7. *R. fascicularis* Muhl. (Early C.) Moist or dry woods. Common.

8. *R. septentrionalis* Poir. (Swamp B.) Swamps and low grounds. Common.

9. *R. bulbosus* (L. Bubous C.) Very common in fields and along roadsides.

10. *R. acris* L. (Tall C. or B.) Frequent in fields and along railroads.

11. *R. hispidus* Michx. Frequent in moist places and upland woods.

**THALCITRUM (Tourn.) L. Meadow Rue.**

1. *T. dioicum* L. (Early M.) Frequent in rocky woods.
2. *T. revolutum* DC. Frequent in copses and woodlands.
3. *T. dasycarpum* Muhl. (Tall M.) Wet meadows and along streams.

**ANEMONELLA Spach.**

1. *A. thalictroides* (L.) Spach. (Rue Anemone). Common in various locations.

**HEPATICA (Rupp.) Hill.**

1. *H. triloba* Chaix. Very common in woods.
2. *H. acutiloba* DC. Forms of *triloba* which approach *acutiloba* were found at Zieglersville and Pleasant Run.

**ANEMONE (Tourn.) L. Anemone.**

1. *A. virginica* L. Frequent in woods and meadows.
2. *A. canadense* L. Low grounds. Frequent.
3. *A. quinquefolia* L. (Wood A.) Frequent in open and shady woods.

**CLEMATIS L. Virgin's Bower.**

1. *C. virginiana* L. Along fence rows and river banks. Common.
2. *C. verticillata* DC. Mill Hill, rocky wooded hillsides, Green Lane and Spring Mount.

**CALTHA (Rupp.) Marsh Marigold.**

1. *C. palustris* L. Wet meadows and marshy grounds, Pennsburg, Powder Valley, Hereford, Zieglersville and along Ridge Valley Creek.

**HELLEBORUS (Tourn.) L. Hellebore.**

1. *H. viridis* L. Deserted gardens. Occasional.

**AQUILEGIA (Tourn.) L. Columbine.**

1. *A. canadense* L. (Wild C.) Rocky wooded hillsides. Common.
2. *A. vulgaris* L. (Garden C.) Established in woods near Finland.

**CIMICIFUGA L. Bugbane.**

1. *C. racemosa* (L.) Nutt. Rich rocky woods. Common.

**ACTEA L. Baneberry Cohosh.**

1. *A. alba* (L.) Frequent in rich woods. Morwood, Zieglersville, Mill Hill, Spring Mount, Green Lane.

**HYDRASTIS ELIIS. Orange-root.**

1. *H. canadense* L. (Golden Seal). Rich woods, Sumneytown. Rare. Woods near Congo. Abundant.

**MAGNOLIACEAE (Magnolia Family).**

**LIRIODENDRON L. Tulip Tree.**

1. *L. tulipifera* L. Various locations. Frequent.

**ANONACEAE (Custard Apple Family).**

**ASIMINA Adans. North American Paw Paw.**

1. *A. triloba* Dunal (Common Pawpaw). Rich wooded hillsides along Deep Creek, near Green Lane.

**MENISPERMACEAE (Moonseed Family).**

**MENISPERMUM (Tourn.) L. Moonseed.**

1. *M. canadense* L. Along streams and in rocky woods. Common.

**BERBERIDACEAE (Barberry Family).**

**PODOPHYLLUM L. May Apple, Mandrake.**

1. *P. peltatum* L. Common in rich woods.

**JEFFERSONIA LB. S. Barton, Twinleaf.**

1. *J. diphylla* (L.) Pers. Low rich woods near Zieglersville. The only station known in the region. Rare. (Mumbauer).

**CAULOPHYLLUM Michx. Blue Cohosh.**

1. *C. thalictroides* (L.) Michx. (Pappoose Root). Deep rich woods. Common.

**BERBERIS (Tourn.) L. Barberry.**

1. *B. Thunbergii*. Found growing wild in woods near Perkiomen, by Mrs. Goebel.

**LAURACEAE (Laurel Family).**

**SASSAFRAS Ness.**

1. *S. varifolium* (Salisb.) Ktze. Fields, especially along fencerows and in rich woods.

**BENZOIN FABRIS. Wild Allspice.**

1. *B. aestivalis* (L.) Ness. (Spice Bush). Low moist woods. Common.



**PAPAVERACEAE (Poppy Family).**

**SANGUINARIA (Dill.) L. Bloodroot.**

1. *S. canadense* L. Rich open woods. Common.

**CHELIDONIUM (Tourn.) L. Celandine.**

1. *C. Majus* L. Frequent in rich soil, mostly about dwellings.

**FUMARIACEAE (Fumitory Family).**

**ADLUMIA Raf. Climbing Fumitory.**

1. *A. fungosa* (Ait.) Green. Rocky woods near Sumneytown.

**DICENTRA Bernh.**

1. *D. Cucullaria* (L.) Bernh. (Dutchman's Breeches). Rich woods and along streams. Common.

2. *D. canadensis* (Goldie.) Walp. Abundant in rich low woods along the Perkiomen Creek west of Pennsburg. (Mumbauer).

**CORYDALIS (Dill.) Medl.**

1. *C. sempervirens* (L.) Rocky places. Rather rare. Mill Hill; Devil's Potato Patch, near Dietz's Mill; on rocks along streams above Sumneytown.

**CRUCIFERAE (Mustard Family).**

**DRABA (Dill.) L.**

1. *D. verna* L. (Whitlow Grass.) In grassy places, especially along roadsides. Frequent.

**BERTEROA DC.**

1. *B. Incana* (L.) DC. Dry fields, Pennsburg. Along roadsides one mile east of East Greenville. Rare at both stations. (Mumbauer).

**THLASPI (Tourn.) L. Penny Cress.**

1. *T. arvense* L. (Field Penny Cress.) Waste places. Not common. In fields at Green Lane; along road Perkiomenville.

**LEPIDIUM (Tourn.) L. Pepperwort, Peppergrass.**

1. *L. campestre* (L.) R. Br. Fields and roadsides. Common.
2. *L. virginicum* L. Common along roadsides and waste places.

**CAPSELLA Medic. Shepherds Purse.**

1. *C. Bursa-Pastoris*. (L.) Medic. A common weed.

**CAMELINA Crantz. False Flax.**

1. *C. sativa* (L.) Crantz. In fields and along roadsides. Frequent.

**RAPHANUS (Tourn.) L. Radish.**

1. *R. Raphanistrum* L. (Wild Radish.) Common in fields. Called mustard.
2. *R. sativus* L. (Radish.) Persistent about old fields, etc.

**BRASSICA (Tourn.) L. Mustard, Turnip.**

1. *B. arvensis* (L.) Ktze. Common in grain fields.
2. *B. nigra* (L.) Koch. Common along roadsides and in waste places.

**CONRINGIA (Heist) Link.**

1. *C. odientalis* (L.) Dumort. Along railroad, Green Lane.

**SISYMBRIUM (Tourn.) L. Hedge Mustard.**

1. *S. altissimum* L. (Tumble Mustard.) Waste places, roadsides, etc. Frequent.
2. *S. officinalis* (L.) Scop. Common, especially about barnyards.
3. *S. Thalianum* (L.) J. Gay. (Mouse-ear Cress.) Frequent on rocks and rocky banks.

**HESPERIS (Tourn.) L. Rockert.**

1. *H. matronalis* L. (Dame's Violet.) Frequent in yards and cultivated grounds.

**ERYSIMUM (Tourn.) L. Treacle Mustard.**

1. *E. cheiranthoides* L. In Brey's woods near Perkiomenville. (Brendle).

**RADICULA (Dill.) Hill. Water Cress.**

1. *R. Nasturtium-Aquaticum* (L.) Britten & Rendle. (True W.) Brooks and ditches. Frequent.
2. *R. sylvestris* (L.) Druce. Common in wet meadows.
3. *R. palustris* (L.) Moench. In wet places and in the shallow waters of the Deep Creek dam at Green Lane.

**BARBAREA R. Br.**

1. *B. vulgaris* R. Br. Common. Sometimes used as greens.
2. *B. stricta* Andr. In similar locations as the preceding. Not as common.
3. *B. verna* (Mill.) Asch. Unami Creek near Perkiomenville. Not frequent.



**DENTARIA (Tourn.) Toothwort, Pepper-root.**

1. *D. diphylla* Michx. Low rich woods near Zieglersville. Rare.
2. *D. laciniata* Muhl. Woods and meadows. Frequent.
3. *D. heterophylla* Nutt. Deep Creek woods. Rare. (Allebach).

**CARDAMINE (Tourn.) L...Bitter Cress.**

1. *C. bulbosa* (Schreb.) BSP. (Spring Cress.) Wet meadows and springy places.
2. *C. pennsylvanica* Muhl. Frequent in moist grounds.

**ARABIS L. Rock Cress.**

1. *A. lyrata* L. On rocks, etc. Frequent.
2. *A. glabra* (L.) Bernh. (Tower Mustard.) Woods and fields. Frequent.
3. *A. laevigata* (Muhl.) Poir. Frequent in rocky woods.
4. *A. canadensis* L. On rocks at Spring Mount. Not frequent.
5. *A. orientalis* (L.) Dumort. On railroad banks, Green Lane.

**CAPPARIDACEAE (Caper Family).**

**POLANISIA Raf.**

1. *P. graveolens* Raf. Along railroad above Zionsville. Rare. (Mumbauer).

**SARRACENIACEAE (Pitcher-plant Family).**

**SARRACENIA (Tourn.) L.**

1. *S. purpurea* L. (Pitcher Plant). In a bog near Pleasant Run. Rare. (Mumbauer).

**DROSERACEAE (Sundew Family).**

**DROSER A. Sundew.**

1. *D. rotundifolia* L. (Round-leaved S.) Along R. R. above Hosensack station. Bog near Zionsville. Very abundant in Underkoffler's meadows, near Avondale. Reservoir Hill. (W. U. Kistler).

**CRASSULACEAE (Orpine Family).**

**PENTHORUM (Gronov.) L. Ditch Stonecrop.**

1. *P. sedoides* L. Open wet places. Frequent.

**SEDUM (Tourn.) L. Stonecrop, Orpine.**

1. *S. acre* L. Rocky roadside, Powder Valley. Near Old Goshenhoppen Church.
2. *S. purpureum* Tausch. (Live-forever). Fields and along roadsides. Frequent.
3. *S. ternatum* Michx. Along roadside, Powder Valley.

**SEMPERVIVUM L. Houseleek.**

1. *S. tectorum* L. An escape.

**SAXIFRAGACEAE (Saxifrage Family).**

**SAXIFRAGE (Tourn.) L. Saxifrage.**

1. *S. pennsylvanica* L. (Swamp S.) Low grounds and wet woods. Locally abundant.
2. *S. virginianensis* Michx. (Early S.) Common.

**HEUCHERA L. Alum Root.**

1. *H. americana* L. (Common A.) Rocky woodlands and open hillsides. Common.

**MITELLA (Tourn.) L. Mitrewort, Bishop's Cap.**

1. *M. diphylla* L. Moist rich woods. Frequent.

**CHRYSOSPLENIUM (Tourn.) L. Golden Saxifrage.**

1. *C. americanum* Schwein. Headquarters Perkiomen Creek. Wet woods near Zieglersville. Along Hosensack Creek, above Hosensack station. Very abundant.

**PARNASSIA (Tourn.) L. Grass of Parnassus.**

1. *P. caroliniana* Michx. Local in a wet meadow near Zieglersville. (Brendle).

**RIBES L. Currant, Gooseberry.**

1. *R. floridum* L'Her. Along old fence rows, Sumneytown, Zieglersville.
2. *R. vulgare* Lam. An occasional escape.
3. *R. aureum* Pursh. Along fence rows, Perkiomenville and Sumneytown.

**HAMAMELIDACEAE (Witch-hazel Family).**

**HAMAMELIS L. Witch-hazel.**

1. *H. virginiana* L. Frequent in damp shady woods.

**PLATANACEAE (Plane Tree Family).**

**PLATANUS (Tourn.) L. Sycamore.**

1. *P. occidentalis* L. Frequent in rich soil.

**ROSACEAE (Rose Family).**

**PHYSOCARPUS Maxim. Nine-bark.**

1. *P. opulifolius* (L.) Maxim. Common in wet places and along streams.

**SPIREA (Tourn.) L.**

1. *S. latifolia* Borkh. Wet meadows near Pennsburg. On rocks near Perkiomenville.
2. *S. salicifolia* L. Ridge Valley Creek above Dietz's Mill. The only station known in the region.
3. *S. japonica* L. Established in a deserted yard near Dietz's Mill.

**GILLENIA Moench. Indian Physic.**

1. *G. trifoliata* (L.) Moench. (Bowman's Root.) Hillsides Spring Mount. Rich woods near Perkiomenville, Zieglersville, Mill Hill.

**PYRUS (Tourn.) L.**

1. *P. communis* L. Frequent in copses or woods.
2. *P. arbutifolia* (L.) L. f. var. *atropurpurea* (Britton.) Robinson. Underkoffler's meadow. Rare.
3. *melanocarpa* (Michx.) Willd. Dry fields above University Camp. Rare.

**AMELANCHIER Medic. Juneberry.**

1. *A. canadensis* (L.) Medci. (Shad Bush, Service Berry.) Frequent in fields and dry open woods.
2. *A. oblongifolia* (T. & G.) Roem. Along Ridge Valley Creek above Sumneytown.
3. *A. spicata* (Lam.) C. Koch. Along roadside near Spring Mount. Fileds near Tylersport. Along fence rows near Kumry.

**CRATAEGUS L. Hawthorn.**

1. *C. Grus-Gali* L. Frequent in woods and fields.
2. *C. coccinea* L. Rocky woods and fields. Common.
3. *C. tomentosa* L. Rather common on barren hillsides.
4. *C. pruinosa* (Wendl.) C. Koch. Sumneytown Hill. (Brendle).
5. *C. neofluviatilis* Ashe. Below Harleysville. (Brendle).

**FRAGARIA (Tourn.) L. Strawberry.**

1. *F. virginiana* Duchesna. Woods, fields, etc. Common.
2. *F. vesca* L. Common in yards and old fields.
3. var. *alba*. With the type but rarer.
- var. *americana*. Porter. Chiefly in open rocky woods.

**RUBUS (Tourn.) L.**

1. *R. idaeus* L. Along road near Spring Mount.
- var. *aculeatissimum* (C. A. Mey) Regel & Tiling. On bank of East Branch Creek below Lederachville. Rare. (Brendle).
2. *R. phoenicolasius* Maxim. A frequent escape. Mill Hill, Powder Valley.
3. *R. odoratus* L. Plentiful along the Perkiomen and Ridge Valley Creeks, Mill Hill; along roadside Powder Valley.
4. *R. triflorus* Richards. In Underkoffler's woods. Rare. (Bayard Long).
5. *R. allegheniensis* Porter. In Isaac Smith's woods at Green Lane. Rare. (Mary Gretchen Brendle).
6. *R. frondosus* Bigel. Rather common in woods and fields.
7. *R. villosus* Ait. Common. (This genus has only been incidentally collected).

**DUCHESNA Sm. Indian Strawberry.**

1. *D. Indica* (Andr.) Focke. Common in an orchard on Cassler's farm, Powder Valley. (Mumbauer).

**WALDSTEINIA Willd.**

1. *W. fragarioides* (Michx.) Trattinick (Barren Strawberry.) Wooded hillsides, Green Lane; along the West Branch near the Old Paper Mill. Rather abundant at both stations.

**POTENTILLA L. Cinquefoil, Five-finger.**

1. *P. argentea* L. (Silvery C.) Dry fields, Pennsburg. Rare. Kulpsville. Rare.

2. *P. Recta* L. Frequent in dry fields.
3. *P. canadensis* L. Common in dry sandy soil.  
var. *Simplex* (Michx.) T. & G. L. Dry open soil. Frequent.
4. *P. monspeliensis* L. Dry open soil. Frequent.
5. *P. pumila* Poir. Woods, Green Lane.

#### GEUM L. Avens.

1. *G. canadense* Jacq. Frequent along borders of woods.
2. *G. virginianum* L. Borders of woods and low grounds. Common.
3. *G. strictum* Ait. Abundant in front of an old house near Markley's Mill (Mumbauer).

#### AGRIMONIA (Tourn.) L. Agrimony.

1. *A. mollis* (T. & G.) Britton. Meadows, two miles east of Sumneytown (Kline and Mumbauer).
2. *A. parviflora* Ait. Frequent in dry sandy soil.
3. *A. gryposepala* Wallr. Frequent in ravines, thickets, etc.
4. *A. striata* Michx. Frequent in damp woods.

#### SANGUISORBA (Rup.) L. Burnet.

1. *S. canadensis* L. (Canadian B.) Bogs and wet meadows. Very common in the Ridge Valley Creek region.

#### ROSA (Tourn.) L. Rosa.

1. *R. rubiginosa* L. (Sweetbrier.) Frequent in rocky pastures, etc.
2. *R. carolina* L. Common in swamps and along streams.
3. *R. virginiana* Mill. Swamps and moist rocky places. Frequent.
4. *R. humilis* Marsh. Frequent in rocky woods, etc.

#### PRUNUS (Tourn.) L. Plum, Cherry.

1. *P. serotina* Ehrh. Woods and along fencerows. Common.
2. *P. virginiana* Mill. Common in meadows and along fencerows.
3. *P. pennsylvanica* L. f. (Wild Red C.) Rare in woods at Green Lane. (Mary Gretchen Brendle).
4. *P. Avium* L. (Sweet Cherry, Mazzard.) A frequent escape from cultivation.
5. *P. Cerasus* L. (Sour or Morello Cherry.) Range similar to the preceding.
6. *P. americana* Marsh. (Wild P.) Underkoffler's meadows, and along roadside at Mumbauersville. Rare at both stations.

#### LEGUMINOSAE (Pulse Family)

##### GYMNOCLADUS Lam. Kentucky Coffee-tree.

1. *G. dioica* (L.) Koch. In cultivation on the campus at Ursinus College, Collegeville. Escaped, Deep Creek.

##### GLEDITSIA L. Honey Locust.

1. *G. triacanthos* L. (Honey Locust). Frequent in cultivation, but common along roadside and in woods near Pleasant Run.

##### CASSIA (Tourn.) L. Senna.

1. *C. marilandica* L. (Wild Senna). Frequent in low moist grounds. Abundant on an island in the Perkiomen Creek at Green Lane.
2. *C. Chamaecrista* L. (Partridge Pea). Meadows below Schwenksville, and along the West Branch near Zieglersville. Common at both stations.
3. *C. nictitans* L. (Wild Sensitive Plant). Frequent in dry sand soil, chiefly along railroads.

##### CERCIS L. Redbud. Judas Tree.

1. *C. canadensis* L. (Redbud). Very common in the Perkiomen region south of Green Lane. Mill Hill, not common.

##### BAPTISIA Vent. False Indigo.

1. *B. tinctoria* (L.) R. Br. Dry woods and open hillsides. Frequent.

##### CROTOLARIA (Dill.) L. Rattlebox.

1. *C. sagittalis* L. Frequent in dry sandy soil.

##### TRIFOLIUM (Tourn.) L. Clover, Trefoil.

1. *T. Arvense* L. (Rabbit's-foot Clover). Common in dry sandy soil.
2. *T. incarnatum* L. Cultivated, but sparingly escaped.
3. *T. pratense* L. (Red Clover). Common in fields and meadows.
4. *T. hybridum* L. (Alsike C.) Common in various locations.
5. *T. repens* L. (White Clover). Common in yards and fields.



6. *T. agrarium* L. (Yellow or Hop Clover). Fields, roadsides, etc. Common.
7. *T. procumbens* L. (Low Hop C.) Frequent in sandy soil and along roadsides.

**MELILOTUS (Tourn.) Hill, Melilot, Sweet C.**

1. *M. officinalis* (L.) Lam. (Yellow M.) Frequent in waste and cultivated grounds.
2. *M. alba* Desr. (White M.) Fields and along roadsides. Frequent.

**MEDICAGO (Tourn.) L. Medick.**

1. *M. sativa* L. (Alfalfa). Cultivated, but often spontaneous.

**LOTUS (Tourn.) L. Bird's-foot Trefoil.**

1. *L. corniculatus* L. Telford Boro. (F. Strohm).

**TEPHROSIA Pers. Hoary Pea.**

1. *T. virginica* (L.) Pers. (Goat's Rue, Catgut). Dry soil, chiefly on high hills. Lover's Leap, Sumneytown; Rudy, Schwenksville.

**ROBINIA L. Locust.**

1. *R. Pseudo-Acacia* L. (Common Locust). Commonly cultivated, but spontaneous in woods and along fence rows.

**DESMODIUM Desv. Trick Trefoil.**

1. *D. nudiflorum* (L.) DC. Frequent in dry woods.
2. *D. grandiflorum* (Walt.) DC. Rich woods, frequent.
3. *D. rotundifolium* (Michx.) DC. Common in dry woods.
4. *D. canescens* (L.) Beck. Frequent in dry sandy soil.
5. *D. viridiflorum* (L.) DC. Beck. Common in dry woods.
6. *D. paniculatum* (L.) DC. Copses, etc. Common.
7. *D. bracteosum* (Michx.) DC. Woods, Green Lane. Not common.
8. *D. laevigatum* (Nutt.) DC. Underkoffler's meadows. Rare. (B. Long).
9. *D. obtusum* (Muhl.) DC. Frequent in woods
10. *D. Canadense* (L.) DC. Frequent in dry open sandy soil.
11. *D. marilandicum* (L.) Woods, Green Lane. Not common.
12. *D. Dillenii* Danl. Woods, Sumneytown. Rare.

**LESPEDEZA Michx. Bush Clover.**

1. *L. procumbens* Michx. Frequent in dry sandy soil.
2. *L. frutescens* (L.) Britton. Open rocky woods. Frequent.
3. *L. hirta* (L.) Hornem. Frequent in dry open soil.
4. *L. Nuttallii* Darl. Woods, Zieglersville. Rare.
5. *L. Virginica* (L.) Britton. Common in woods, Mill Hill, Sumneytown, Green Lane.

**VICIA (Tourn.) L...Vetch, Tare.**

1. *V. tetrasperma* (L.) Moench. Frequent in thickets and open places.
2. *V. Cracca* L. Fields and borders of thickets. Frequent.

**APIOS (Boehr.) Ludwig. Groundnut.**

1. *A. tuberosa* Moench. Frequent in fields and thickets. Very abundant in a field near Zionsville.

**PHASEOLUS (Tourn.) L. Kidney Bean.**

1. *P. polystachyus* (L.) BSP. Rocky wooded hillsides. Not common.

**AMPHICARPA Ell. Hog Peanut.**

1. *A. monoica* (L.) Ell. Very common in rich low woodlands.

**LINACEAE (Flax Family).**

**LINUM (Tourn.) L. Flax.**

1. *L. usitatissimum* L. (Common F.) Frequent along railroads.
2. *L. striatum* Walt. In wet sandy places. Frequent.
3. *L. virginianum* L. Frequent in dry open soil.
4. *L. Medium* (Pursh.) Britton. Underkoffler's meadows. Rare.

**OXALIDACEAE (Wood Sorrel Family).**

**OXALIS L. Wood Sorrel.**

1. *O. violacea* L. (Violet W.) Frequent in woods and fields.
2. *O. stricta* L. Common in dry sandy soil.
3. *O. repens* Thund. A common weed in greenhouses.
4. *O. corniculata* L. (Lady's Sorrel). A common weed in dry or moist open soil.

**GERANIACEAE (Geranium Family).**

**GERANIUM (Tourn.) L. Cranesbill.**

1. *G. maculatum* L. (Wild Geranium). Frequent in woods and fields.
2. *G. Robertianum* L. (Herb Robert). Abundant along the East Branch Creek near Lederach. (Brendle).
3. *G. carolinianum* L. Frequent on rocks and in poor soil.
4. *G. pusillum* Burm. f. Waste places and cultivated grounds. Rare.
5. *G. molle* L. Campus. Ursinus College, Collegeville. (Dr. Kline).

**RUTACEAE (Rue Family).**

**ZANTHOXYLUM L. Prickly Ash.**

1. *Z. americanum* Mill. Frequent in rocky woods and along streams. Very common along the Ridge Valley Creek.

**RUTA (Tourn.) L. Rue.**

1. *R. graveolens* L. A frequent escape from cultivation.

**POLYGALACEAE (Milkwort Family).**

1. *P. paucifolia* Willd. (Fringed Polygala, Gay Wings). Wooded hillside under evergreens, Green Lane. In woods and along roadside near Zionsville. Very abundant at both stations.
2. *P. sanguinea* L. Frequent in low moist meadows.
3. *P. verticillata* L. Frequent in dry soil.
4. *P. ambigua* (Nutt.) Wood. Range similar to the preceding, but more common.

**SIMARUBACEAE (Quassia Family).**

**AILANTHUS Desf.**

1. *A. glandulosa* Desf. A frequent escape from cultivation.

**EUPHORBIACEAE (Spurge Family).**

**ACALPHA L. Three-seeded Mercury.**

1. *A. virginica* L. A common weed in fields and open places.
2. *A. gracilens* Gray. Woods near White's Mill. Not common.

**EUPHORBIA L. Spurge.**

1. *E. maculata* L. (Milk Purslane). Frequent in open places and along roadsides.
2. *E. Preslii* Guss. Dry open soil. Frequent.
3. *E. Lathyris* L. (Caper S. Mole Plant). Sparingly escaped from gardens. Common along roadside and in fields near Kumry.
4. *E. Cyparissias* L. (Cypress S.) A frequent escape from gardens.

**CALLITRICHACEAE Water Starwort Family.**

**CALLITRICHE L. Water Starwort.**

1. *C. palustris* L. Common in quiet waters.
2. *C. deflexus* A. Br. var. *Austini*. (Engelm.) Hegelm. In damp soil at Camp Delmont. Rare.

**LIMNANTHACEAE (False Mermaid Family).**

**FLOERKIA Willd. False Mermaid.**

1. *F. proserpinacoides* Willd. Common in marshes and along streams.

**ANACARDIACEAE (Cashew Family).**

**RHUS LL. Sumac.**

1. *R. Typhina* L. (Stag Horn S.) Frequent in dry or gravelly soil.
2. *R. glabra* L. (Smooth S.) Similar range as the preceding.
3. *R. copallina* L. (Dwarf S.) Frequent on rocky hillsides.
4. *R. Vernix* L. (Poison S.) Wet meadows near Kumry. Underkoffler's meadows near Finland. Rather common at both stations.
5. *R. toxicodendron* L. (Poison Ivy, Poison Oak). Common along fence rows, thickets and in woods.

**AQUIFOLIACEAE (Holly Family).**

**ILEX L. Holly.**

1. *I. opaca* Ait. (American Holly). Woods at Green Lane. Rare. (H. Sommers). In woods near Ziegler'sville and Perkiomenville. Rare. (Brendle).
2. *I. verticillata* (L.) Gray. (Black Alder). In fence rows, Pennsburg. Along roadside below Red Hill. In fields near Kumry.

**CELASTRACEAE (Staff Tree Family).**

**EVONYMUS (Tourn.) L. Spindle Tree.**

1. *E. atropurpureus* Jacq. (Wahoo, or Burning Bush). In woods along the Unami Creek near Sunnyside. West side Perkiomen Creek west of Pennsburg. Rare at both stations.

**CELASTRUS L. Bitter Sweet.**

1. *C. scandens* L. (Waxwork, Bitter Sweet). Frequent along fence rows, thickets, etc.

**STAPHYLACEAE L. (Bladder Nut Family).**

**STAPHYLEA L. Bladder Nut.**

1. *S. trifolia* L. (American B.) Rocky wooded hillsides and moist thickets. Common.

**ACERACEAE (Maple Family).**

**ACER (Tourn.) L. Maple.**

1. *A. pennsylvanicum* L. (Striped M. Moosewood). About fifty specimens, some tall trees, in woods near Kratz station. (Brendle).
2. *A. spicatum* Lam. (Mountain M.) Wooded hillsides, east side Perkiomen Creek, Spring Mount. Woods, Green Lane and Perkiomenville.
3. *A. saccharinum* L. (White or Silver M.) Frequent along banks of main streams.
4. *A. saccharum* Marsh. (Sugar or Rock M.) Rich woods. Frequent. *Var. nigrum* (Michx. f.) Britton (Black Sugar M.) Along the East Branch Creek. Not common.
5. *A. rubrum* L. (Red or Swamp M.) Moist woods and swamps. Frequent
6. *A. negundo* L. (Box Elder). Frequent in fields and along streams.

**BALSAMINACEAE (Touch-me-not Family).**

**IMPATIENS (Rivinius.) L. Jewelweed.**

1. *I. pallida* Nutt. (Pale Touch-me-not). Same range as the following, but not common.
2. *I. diflora* Walt. (Spotted Touch-me-not). Along streams, and in moist open and sandy places. Common.

**RHAMNACEAE (Buckthorn Family).**

**CEANOTHUS L. Red-root.**

1. *C. americana* L. (New Jersey Tea). Frequent in fields and along roadsides.

**VITACEAE (Vine Family).**

**PSEDERA Neck. Virginia Creeper.**

1. *P. quinquefolia* (L.) Greene. Frequent in various locations.

**VITIS (Tourn.) L. Grape.**

1. *V. Labrusca* L. (Northern Fox Grape). Frequent along fence-rows, thickets, etc.
2. *V. aestivalis* Michx. (Summer or Pigeon Grape). Frequent in woods and thickets.
3. *V. cordifolia* Michx. (Frost or Chicken G.) Common on rocky wooded hillsides.

**TILIACEAE (Linden Family).**

**TILIA (Tourn.) L. Linden, Basswood.**

1. *T. americana* L. Frequent in rich woods.

**MALVACEAE (Mallow Family).**

**ABUTILON (Tourn.) Mill. Indian Mallow.**

1. *A. Theophrasti* Medic. (Velvet Leaf). Frequent in cultivated grounds and waste places.

**SIDA L.**

1. *S. spinosa* L. In fields on the Landis farm, west of East Greenville. Rare. (Mumbauer).

**MALVA (Tourn.) L. Mallow.**

1. *M. rotundifolia* L. (Common Mallow or Cheeses). Waysides and cultivated grounds. Common.
2. *M. moschata* L. (Musk Mallow). Frequent in meadows, fields and along roadsides.



**CALLIRHOE Nutt. Poppy Mallow.**

1. *C. involucrata* (T. & G.) Gray. In a field on the Jacob Meng farm, near Pleasant Run. Rare. (Mumbauer).

**HIBISCUS L. Rose Mallow.**

1. *H. trionum* L. (Flower-of-an-hour). Frequent in cultivated and waste grounds.

**HYPERICACEAE (St. John's-wort Family).**

**HYPERICUM (Tourn.) L. St. John's-wort.**

1. *H. perforatum* L. (Common S.) Frequent in fields and along roadsides.
2. *H. ellipticum* Hook. Wet places. Frequent.
3. *H. mutilum* L. Moist low grounds. Common.
4. *H. canadense* L. Wet or dry, chiefly in exsiccated places. Frequent.
5. *H. punctatum* Lam. Frequent in damp places.
6. *H. gentianoides* (L.) BSP. Frequent in dry sandy soil.
7. *H. virginicum* L. Dietz's Mill. Rare.

**CISTACEAE (Rockrose Family).**

**HELIANTHEMUM (Tourn.) Mill, Rockrose.**

1. *H. canadense* (L.) Michx. (Frostweed). Dry sandy soil. Collegeville, Green Lane, McLean's.
2. *H. majus* BSP. Woods. Not infrequent.

**LECHEA (Kalm.) L. Pinweed.**

1. *L. villosa* Ell. Pasture near Underkoffler's meadows. Rare. (Brendle).
2. *L. Leggettii* Britton & Hollick. Dry open places. Common.
3. *L. minor* Ell. Underkoffler's meadows. Rare. (Brendle).
4. *L. ramemulosa* Lam. Frequent in dry soil.

**VIOLACEAE (Violet Family).**

**HYBANTHUS Jacq. Green Violet.**

1. *H. concolor*. (Forster.) Spreng. Along railroad one-half mile below Green Lane station. Rare. (Allebach). Church woods, Sumneytown. Rare. (Brendle).

**VIOLA (Tourn.) L. Violet, Heart's Ease.**

1. *V. pedata* L. (Bird-foot V.) Abundant along railroad, above Hosensack station. Var. *bicolor* Pursh. Hills above Hosensack station. Rare. (Mumbauer). Along roadside one mile east of Zionsville. Rare. (Pretz).
2. *V. cucullata* Ait. Common in wet places.
3. *V. papilionacea* Pursh. Moist meadows and woods. Frequent about dwellings.
4. *V. palmata* L. Frequent in dry rich woods.
5. *V. triloba* Schwein. Dry woods and along roadsides. Rare.
6. *V. sorocia* Willd. Common in woods.
7. *V. fimbriatula* Sm. Rather common.
8. *V. affinis* Le Conte. Rich woods, Finland. Woods, Old Goshenhoppen.
9. *V. hirsutula* Brainerd. Frequent in woods.
10. *V. emarginata* LeConte. Old Goshenhoppen woods.
11. *V. sagittata* Ait. Woods, fields and along roadsides. Common.
12. *V. pallens* (Banks) (Brainerd). Wet grounds and along brooks. Frequent.
13. *V. blanda* Willd. Frequent in moist rich woods.
14. *V. rotundifolia* Michx. Abundant along a hillside at Powder Valley. (Mumbauer).
15. *V. odorata* L. (English or Sweet Violet). Cultivated but spontaneous in a field north of Hosensack station.

**PLANTS WITH LEAFY STEMS.**

16. *V. pubescens* Ait. (Downy Yellow V.) Frequent in low woods and on wooded hillsides.
17. *V. scabriuscula* Schwein. (Smooth Yellow V.) Low grounds and along streams. Frequent.
18. *V. canadensis* L. (Canada V.) Wet grounds and along stream, north of Hereford. Rare. (Jos. & Lamar Mumbauer).
19. *V. striata* Ait. Moist woods. Frequent.
20. *V. conspersa* Reichend. Rich low shaded grounds. Frequent.

21. *V. Rostrata* Pursh. (Long-spurred V.) Moist shaded hillsides Green Lane Sumneytown, Zieglersville and along the West Branch Creek, near the old Paper Mill.
22. *V. Tricolor* L. (Pansy or Heart's-ease). An escape from cultivation, but often found growing wild.

#### CACTACEAE (Cactus Family).

##### OPUNTIA (Tourn.) Mill. Prickly Pear, Indian Fig.

1. *O. vulgaris* Mill. Open sandy hillside near Dietz's Mill. Rare. (Brendle & Worwood).

#### LYTHRACEAE (Loosestrife Family).

##### LYTHRUM L. Loosestrife.

1. *L. alatum* Pursh. Green Lane. Rare.
2. *L. salicari* L. (Spiked Loosestrife). Along the mill race above Dietz's Mill. Rare. (Brendle & Mumbauer).

##### CUPHEA P. Br.

1. *C. petiolata* (L.) Koehne (Clammy C.) Frequent in dry fields and meadows.

#### ONAGRACEAE (Evening Primrose Family).

##### LUDWIGIA L. False Loosestrife.

1. *L. alternifolia* L. (Seedbox). Swamps and low wet woods. Frequent.
2. *L. palustris* (L.) Ell. (Water Purslane). Frequent in ditches and low streams.

##### EPILOBIUM L. Willow-herb.

1. *E. angustifolium* L. (Great Willow-herb, Fireweed). Frequent in low ground, especially in clearings and newly burned lands.
2. *E. coloratum* Muhl. Low wet grounds. Frequent.
3. *E. adenocaulon* Haussk. Open woods Perkiomenville. (Brendle).
4. *E. molle* Torr. Great meadows, east of Sumneytown. Rare. (Mumbauer, Kline & Brendle).
5. *E. densum* Raf. Same place as the preceding. Rare. (Kline, Brendle & Mumbauer).

#### OENOTHERA L. (Evening Primrose).

1. *O. biennis* L. (Common E.) Frequent in dry open places.
2. *O. fruticosa* L. (Sundrops). Dry sandy soil. Common.
3. *O. linearis* Michx. Frequent in fields and open woods.
4. *O. speciosa* Nutt. (White E.) Abundant in a field near Trumbauersville. (Dr. Fretz).
5. *O. pratensis* (Small.) Robinson. Great meadows. Not common. (Mumbauer & Brendle).
6. *O. pumila* L. Dry open places. Frequent.

##### GUARA L.

1. *G. biennis* L. Frequent in meadows and along streams.

#### CIRCAEA (Tourn.) L. Enchanter's Nightshade.

1. *C. lutetiana* L. Dry open woods. Frequent.

#### HALORAGIDACEAE (Water Milfoil Family).

##### PROSERPINACA L. Mermaid-weed.

1. *P. palustris* L. Muddy borders of ponds and streams, and in shallow water. Common.

#### ARALIACEAE (Ginseng Family).

##### ARALIA (Tourn.) L.

1. *A. racemosa* L. (Spikenard). Rocky wooded hillsides. Frequent.
2. *A. hispida* Vent. (Bristly Sarsaparilla). Dry woods near Green Lane. Rare. (Mary G. Brendle).
3. *A. nudicaulis* L. (Wild sarsaparilla). Moist woodlands and open hillsides. Common.

**PANAX L. Ginseng.**

1. *P. quinquefolia* L. (Ginseng). Rich wooded hillsides near Dietz's Mill. Not common. Hereford Hills. Rare. Woods, Perkiomenville and Green Lane. Rare.

2. *P. trifolium* L. (Dwarf G.) Frequent in moist shaded woods.

**UMBELLIFERAE (Parsley Family).**

**SANICULA (Tourn.) L. Sanicle. Black Snakeroot.**

1. *S. marilandica* L. Common in dry open woods.
2. *S. canadensis* L. Frequent in dry open woods.
3. *S. gregaria* Bicknell. Range similar to the preceding, but less common.

**HYDROCOTYLE (Tourn.) L. Water Pennywort.**

1. *H. americana* L. Common in wet grassy places throughout the region.

**CHAEROPHYLLUM (Tourn.) L.**

1. *C. procumbens* (L.) Crantz. Moist woods, Perkiomenville. Stone quarry, Sumneytown.

**OSMORHIZA Raf. Sweet Cicely.**

1. *O. claytoni* (Michx.) Clarke. Frequent in rich woods.

**CONIUM L. Poison Hemlock.**

1. *C. maculatum* L. Along roadside near Dietz's Mill. Rare.

**CICUTA L. Water Hemlock.**

1. *C. maculata* L. (Spotted Cowbane). Frequent in low moist grounds.

**SIUM (Tourn.) L. Water Parsnip.**

1. *S. cicutaefolium* Shrank. Muddy banks and along streams.

**CARUM L. Caraway.**

1. *C. Carvi* L. (Caraway). A frequent escape from cultivation.

**CRYPTOTANEIA DC. Honewort.**

1. *C. canadense* (L.) DC. Frequent.

**ZIZIA Koch.**

1. *Z. aurea* (L.) Koch. Meadows and moist woods. Frequent.

2. *Z. cordata* (Walt.) DC. Frequent in low moist places.

**TAENIDIA Drude.**

1. *T. integerrima* (L.) Drude. Frequent in open woods and along roadsides.

**AETHUSA L. Fool's Parsley.**

1. *A. Cynapium* L. Frequent in cultivated and waste grounds.

**THASPIUM Nutt. Meadow Parsnip.**

1. *T. barbnode* (Michx.) Nutt. Frequent in meadows and along streams.
2. *T. aureum* Nutt. Thickets and woodlands. Frequent. Var. *atropurpureum* (Desr.) Coult & Reese. Along roadside and in fields near Tylersport and Morwood. Not common.

**PASTINACA L. Parsnip.**

1. *P. sativa* L. Common in waste places and along fencerows.

**HERACLEUM L. Cow Parsnip.**

1. *H. lanatum* Michx. Common along the Perkiomen Creek from Ziegler'sville south.

**OXYPOLIS Raf.**

1. *O. rigidior* (L.) Coult & Reese. Along the Ridge Valley Creek above Hood's Mill. Common.

**ANGELICA L. Angelica.**

1. *A. villosa* (Walt.) BSP. Frequent in dry rocky woods.
2. *A. atropurpurea* L. Swamps and moist grounds. Infrequent.

**DAUCUS (Tourn.) L. Carrot.**

1. *D. carota* L. A common weed in fields meadows, etc.

**CORNACEAE (Dogwood Family).**

**CORNUS (Tourn.) L. Dogwood.**

1. *C. florida* L. (Flowering D.) Dry woods and fields. Common.
2. *C. paniculata* L'Her. Thickets and along fencerows. Very common.
3. *C. alternifolia* L. f. Frequent in fields.
4. *C. circinata* L'Her. Stone Hill Spring Mount.
5. *C. Amomum* Mill. (Kinnikinnik). Frequent in moist soil.

**NYSSA L. Sour Gum.**

1. *N. sylvatica* Marsh (Black Gum). Frequent in moist or dry soil.



**ERICACEAE (Heath Family).**

**CHIMAPHILA Pursh. Pipsissewa.**

1. *C. umbellata* (L.) Nutt. (Prince's Pine). Frequent in dry woods.
2. *C. maculata* (L.) Pursh. (Spotted Wintergreen). Dry woods. Common.

**PYROLA (Tourn.) L. Wintergreen, Shin Leaf.**

1. *P. secunda* L. Rich pine woods Sumneytown. Rare. (Brendle).
2. *P. clorantha* Sw. Pine woods, Sumneytown. Rare. (Kline & Mumbauer).
3. *P. elliptica* Nutt. (Shin Leaf). Frequent in dry woods.
4. *P. americana*. Sweet. Open woods. Locally abundant.

**MONOTROPA L. Indian Pipe.**

1. *M. uniflora* L. (Indian Pipe, Corpse Plant). Dark rich woods. Frequent.
2. *M. hypopitys* L. (Pinesap, False Beech Drops). Rich woods. Less frequent than the preceding.

**RHODODENDRON L.**

1. *R. nudiflorum* (L.) Torr. (Pinxter Flower). Frequent in open woods and swamps.
2. *R. maximum* L. (Great Laurel). Wooded hillsides near Powder Valley. Rare. (Mumbauer).

**KALMIA L. (Laurel of America).**

1. *K. latifolia* L. Chiefly on rocky hillsides. Locally abundant.
2. *K. angustifolia* L. (Sheep Laurel). Roadside near Zionsville. Less common than the preceding.

**LEUTCOTHOE D. Don. Fetter Bush.**

1. *L. racemosa* (L.) Gray. Along roadside, east of Sumneytown. Rare.

**LYONIA Nutt.**

1. *L. ligustrina* (L.) DC. (Male Berry). Frequent in dry and moist soil.

**EPIGEA L. Trailing Arbutus.**

1. *E. repens* L. (May Flower). Wooded hillside near Zionsville. Woods near Green Lane and Frederick. Rare at all three stations.

**GAULTHERIA (Kalm.) L. Wintergreen.**

1. *G. procumbens* L. (Tea Berry). Wooded hillside west of East Greenville. Rare. East side Perkiomen Creek below Sumneytown, very abundant.

**VACCINIUM L. Blueberry, Cranberry.**

1. *V. stamineum* L. (Squaw Huckleberry). Frequent in dry woods.
2. *V. pennsylvanicum* Lam. Dry hills, etc. Common.
3. *V. vacillans* Kalm. Frequent in dry sandy soil.
5. *V. corymbosum* L. (High or Swamp B.) Swamps and low grounds. Frequent.
5. *V. atrococcum* (Gray.) Heller. Often found growing with the preceding.

**GAYLUSSACIA H B K.**

1. *G. baccata* (Wang.) C. Koch. Rocky woodlands and swamps. Common.

**PRIMULACEAE (Primrose Family).**

**SAMOLUS (Tourn.) L. Water Pimpernel.**

1. *S. floribunda*. H B K. Wet meadows near Ziegler'sville. Along the Unami and Ridge Valley Creeks. Not rare.

**LYSIMACHIA (Tourn.) L. Loosestrife.**

1. *L. vulgaris* L. Roadsides and about dwellings.
2. *L. quadrifolia* L. Frequent in moist or sandy soil.
3. *L. terrestris* (L.) BSP. Moist low or wet grounds. Frequent.
4. *L. nummularis* L. (Moneywort). An escape from gardens, but common in meadows and occasionally in fields.

**STERIONEMA Raf.**

1. *S. ciliatum* (L.) Raf. Frequent in low grounds and thickets.

**TRIENTALIS L. Wintergreen Chickweed.**

1. *T. americana* (Pers.) Persh. Open woods near Argus. Rare. (Benner).

**ANAGALLIS (Tourn.) L. Pimpernel.**

1. *A. arvensis* L. (Common P.) Common in dry fields. Var. *caerulea* Ledeb. West Telford Borough. (Strohm).

**DODECATHEON L. American Cowslip.**

1. *D. media* L. (Shooting Star). Meadows near Pleasant Run. Rare. (Mumbauer, 1910). (Dr. Meredith, 1923).

**EBENACEAE (Ebony Family).**

**DIOSPYROS L. Persimmon.**

1. *D. virginiana* L. (Common P.) Woods near Pleasant Run and Green Lane. Very common throughout the Ridge Valley region.

**OLEACEAE (Olive Family).**

**FRAXINUS (Tourn.) L. Ash.**

1. *F. americana* L. (White Ash). Frequent in rich woods and along fence-rows.
2. *F. nigra* Marsh. (Black Ash). Swamps and wet banks. Frequent.
3. *F. biltmoreana* Beadle. Woods near Perkiomenville.
4. *F. pennsylvanica* Marsh. Frequent in low grounds.
5. Var. *lanceolata* (Borkh.) Sarg. Along the Macoby Creek. Rare.

**LIGUSTRUM (Tourn.) L. Privet.**

1. *L. vulgare* L. Established in woods near Sumneytown. An escape from cultivation.

**SYRINGIA L. Lilac.**

1. *S. vulgaris* L. (Common Lilac). Popular in cultivation, but frequently found growing wild.

**GENTIANACEAE (Gentian Family).**

**SABATIA Adans.**

1. *S. angularis* (L.) Pursh. Locally abundant in rich soil.

**GENTIANA (Tourn.) L. Gentian.**

1. *G. crinita* Froel. (Fringed Gentian). Along the Deep Creek and Unami Creek roads. Common.
2. *G. saporaria* L. (Soapwort Gentian). Frequent in moist woods and meadows.
3. *G. Andrewsii* Griesb. (Closed Gentian). Frequent in moist open grounds.

**BARTONIA Muhl.**

1. *B. virginica* (L.) BSP. Bog near Zionsville. Rare. Moist open grounds near Zieglersville. Rare.

**OBOLARIA L. Pennywort.**

1. *O. virginica* L. Moist woods. Frequent.

**MENYANTHES (Tourn.) L. Buckbean.**

1. *M. trifoliata* L. Bog near Rockhill, Bucks County. Rare. (Dr. Fretz).

**APOCYNACEAE (Dogbane Family).**

**VINCA L. Periwinkle.**

1. *V. minor* L. (Common P. Myrtle). Roadsides, etc. Escaped from cultivation.

**APOCYNUM (Tourn.) L. Dogbane.**

1. *A. androsaemolium* L. (Spreading D.) Open woods and thickets. Frequent.
2. *A. cannabinum* L. (Indian Hemp). Sandy soil, chiefly along railroads. Common.
3. Var. *pubescens* (R. Br.) DC. Dry open soil. Common.

**ASCLEPIDACEAE (Milkweed Family).**

**ASCLEPIAS (Tourn.) L.**

1. *A. tuberosa* L. (Butterfly-weed). Frequent in dry soil.
1. *A. purpurascens* L. (Purple Milkweed). Dry grounds. Not common.
3. *A. incarnata* L. (Swamp M.) Swamps and wet grounds. Common.
4. *A. amplexicaulis* Sw. Woods Green Lane. Rare. (Allebach).
5. *A. syriaca* L. (Common M.) Low rich grounds. Common.
6. *A. phytolacchoidea* Pursh. Moist woods. Rare and local.
7. *A. quadrifolia* Jacq. Common in dry woods and along wooded hillsides.
8. *A. verticillata* L. Along roadside, Green Lane. Rare. (Brendle).

**ACERATES Ell. Green Milkweed.**

1. *A. viridiflora* Ell. Dry soil, especially along roadsides. Frequent.

**CONVOLVULACEAE (Convolvulus Family).**

**IPOMOEA L. Morning Glory.**

1. *I. hederacea* Jacq. Railroad above Hosensack Station. Rare. Anise. Rare.
2. *I. Purpurea* (L.) Roth. On a small island in the Macoby Creek, near Pennsburg. Rare.



3. *I. pandurata* (L.) G. F. W. Mey. (Wild Potato-vine). Dry grounds, especially along roadsides. Common.

**CONVOLVULUS (Tourn.) L. Bindweed.**

1. *C. spithameus* L. Common in fields and along railroad, south of Red Hill.
2. *C. Japonicus* Thund. Waste places and fields, escaped from cultivation. Rare and local.
3. *C. sepium* L. (Hedge Bindweed). Dry and cultivated fields. Common.
4. *C. arvensis* L. (Field B.) Frequent in dry gravelly soil.

**CUSCUTA (Tourn.) L. Love-vine, Dodder.**

1. *C. epythimum* Murr. Occasionally found on clover.
2. *C. arvensis* Beyrich. Common on various herbs and low shrubs.
3. *C. obtusiflorus* HBK. On polygonums and other low herbs.
4. *C. Gronovii* Willd. In wet shady places, and on various kinds of low shrubs and herbs. The commonest of our species.
5. *C. Cephalanthi* Engelm. Frequent on tall herbs, especially on Button-bush.

**POLEMONIACEAE. Phlox Family.**

1. *P. maculata* L. (Wild Sweet William). Frequent in rich woodlands, meadows and along streams.
2. *P. pilosa* L. Woods, meadows, etc. Common.
3. *P. subulata* L. (Ground or Moss Pink). Frequent in various locations.

**GILIA R. & P.**

1. *G. linearis* (Nutt.) Gray. A western plant found in a wet ditch along the Perkiomen R. R., south of Pennsburg. (Mumbauer).

**HYDROPHYLLACEAE (Waterleaf Family).**

**HYDROPHYLLUM (Tourn.) L. Waterleaf.**

1. *H. virginicum* L. Rich woods and along streams. Common.

**PHACELIA Juss.**

1. *P. dubia* (L.) Small. Fields near Sellersville. Rare. (Strohm).

**BORAGINACEAE (Borage Family).**

**CYNOGLOSSUM (Tourn.) L. Hound's Tongue.**

1. *C. officinale* L. (Common H.) Woods at Ziegler'sville. Not common.
2. *C. virginianum* L. Common in open woods.

**LAPPULA (Rivinius.) Moench. Stickseed.**

1. *L. virginica* (L.) Green. Common in woods and thickets.
2. *L. echinata* Gilbert. Local along the Perkiomen Railroad.

**SYMPHYTUM (Tourn.) Comfrey.**

1. *S. officinalis* L. (Common C.) Escaped from gardens. Pennsburg, Summeytown.

**MYOSOTIS (Rupp.) L. Scorpion-grass, Forget-me-not.**

1. *M. laxa* Lehm. In water and wet grounds. Frequent.
2. *M. virginica* (L.) BSP. Frequent in dry rocky woods.
3. *M. arvensis* (L.) Hill. Common in various locations.

**MERTENSIA Rots. Lungwort.**

1. *M. virginica* (L.) Link. (Virginian Cowslip). Alluvial banks, low woods and meadows. Common.

**LITHOSPERMUM (Tourn.) L. Gromwell.**

1. *L. arvense* L. (Corn Gromwell). Common in fields and waste places.
2. *L. canescens* (Michx.) Lehm. Woods near Summeytown.

**ECHIUUM (Tourn.) L. Viper's Bugloss.**

1. *E. vulgare* L. (Blueweed). Local in cultivated fields near Red Hill.

**VERBENACEAE (Vervain Family).**

**VERBENA (Tourn.) L. Vervain.**

1. *V. urticifolia* L. (White V.) Frequent in thickets and waste grounds.
2. *V. hastata* L. (Blue V.) Common in moist grounds.
3. *V. angustifolia* Michx. Dry fields, west of Pennsburg. Rare.
4. *V. canadensis* (L.) Britton. Cultivated fields, Summeytown. Rare. (Cressman).

**LABIATAE (Mint Family).**

**TEUCRIUM (Tourn.) L. Germander.**

1. *T. canadense* L. (American G.) Rich low ground. Frequent.



**ISANTHUS Michx. False Pennyroyal.**

1. *I. brachiatus* (L.) BSP. Along R. R. below Hendricks Station. Rare.

**TRICHOSTEMA L. Blue Curls.**

1. *T. dichotomum* L. (Bastard Pennyroyal). Frequent in sandy fields.

**SCUTELLARIA L. Scullicap.**

1. *S. lateriflora* L. (Mad-dog S.) Frequent in wet open and shady places.
2. *S. pilosa* Michx. Common in dry woods.
3. *S. parvula* Michx. Dry fields and open woods near McLean's Station. Rare.
4. *S. integrifolia* L. Frequent in moist grounds.
5. *S. galericulata* L. Frequent in wet places.
6. *S. nervosa* Pursh. Rich woods and moist thickets. Rare.

**MARRUBIUM (Tourn.) L. Horehound.**

1. *M. vulgaris* L. (Common H.) Frequent in waste places.

**AGASTACHE Clayt. Giant Hyssop.**

1. *A. nepetoides* (L.) Ktze. Borders of woods and along fencerows. Frequent.
2. *A. scrophulariifolia* (Willd.) Ktze. Frequent along fencerows and in waste grounds.

**NEPETA L. Cat Mint.**

1. *N. cataria* L. (Catnip). Frequent about dwellings.
2. *N. hederacea* (L.) Trivisan. (Gill-over-the-ground). Damp or shady places. Frequent near towns.

**PRUNELLA L. Self-heal.**

1. *P. vulgaris* L. (Heal-all.) Woods, fields and doorways. A common weed. Var. *laciniata* L. Dry fields, East Greenville. Rare. Cultivated fields, Green Lane. Rare.

**GALEOPSIS L. Hemp Nettle.**

1. *G. Tetrahit* L. (Common H.) Along R. R. Green Lane. Rare. (Allebach).

**LAMIUM L. Dead Nettle.**

1. *L. amplexicaulis* L. (Henbit). Waste and cultivated grounds. A common weed.
2. *L. maculatum* L. A frequent escape from cultivation.
3. *L. album* L. Roadsides and waste places, escaped from cultivation.

**LEONURUS L. Motherwort.**

1. *L. Cardiaca* L. (Common M.) Chiefly in waste grounds about dwellings. Common.
2. *L. sibiricus* L. Perkiomenville. Rare.

**STACHYS (Tourn.) L. Hedge Nettle.**

1. *S. hyssopifolia* Michx. Along R. R. above East Greenville. Rare. (Esther LeFevre).
2. *S. palustris* L. Frequent in moist soil.

**SALVIA (Tourn.) L. Sage.**

1. *S. lyrata* L. (Lyre-leaved sage). Common in open woods and meadows.
2. *S. verticillata* L. Rare in a field at Green Lane. (Brendle).
3. *S.* An unidentified species at Rudy. (Brendle).

**MONARDA L. Horse Balm.**

1. *M. fistulosa* L. (Wild Bergamot). Frequent in dry soil.
2. *M. mollis* L. In a field at Green Lane. Rare. (Brendle). Very abundant in a field along the Perkiomen R. R., south of Oaks Station.
3. *M. clinopodia* L. Hendricks Station. Rare. (Brendle).

**HEDEOMA. Pers. Mock Pennyroyal.**

1. *H. pulegioides* (L.) Pres. (American Pennyroyal). Common in dry and cultivated fields.

**MELISSA (Tourn.) L. Balm.**

1. *M. officinalis* L. (Common Balm). Along roadside in front of an old abandoned house, between Perkiomenville and Pleasant Run. Rare.

**SATUREJA (Tourn.) L. Savoy, Calamint.**

1. *S. Acinos* (L.) Scheele. Roadsides near Lederachville. Rare.
2. *S. vulgaris* (L.) Fritch. Frequent in woods, thickets and along roadsides.

**PYCNANTHEMUM Michx. Mountain Mint.**

1. *P. flexosum* (Walt.) BSP. Frequent in dry fields and thickets.
2. *P. virginianum* (L.) Durand & Jackson. Dry banks and fields. Infrequent.
3. *P. verticillatum* (Michx.) Pres. Frequent in moist fields and open woods.
4. *P. incanum* (L.) Michx. Frequent in open woods, throughout the region.
5. *P. pilosum* Nutt. Woods Green Lane. Rare.
6. *P. muticum* (Michx.) Pres. Open hillsides Perkiomenville. Rare. (Brendle).

**THYMUS (Tourn.) L.**

1. *T. serpyllum* L. (Creeping Thyme). An escape from gardens.

**CUNILA L. Dittany.**

1. *C. origanoides* (L.) Britton. Frequent in dry open woods.

**LYCOPUS (Tourn.) L. Water Horehound.**

1. *L. virginicus* L. (Bugle Weed). Frequent in wet soil.
2. *L. americanus* Muhl. Wet soil, less frequent than the preceding.
3. *L. uniflorus* Michx. Along the Macoby at Green Lane. Rare.

**MENTHA (Tourn.) L. Mint.**

1. *M. alopecurioides* Hull. Roadsides and ditches. A frequent escape.
2. *M. spicata* L. (Spearmint). Frequent in meadows and along brooks.
3. *M. piperita* L. (Peppermint). Frequent along brooks and in ditches.
4. *M. arvensis* L. Frequent in damp rich soil.
5. *M. Gentilis* Michx. Along garden fences, Sumnerstown. Rare.

**COLLINSONIA L. Horse Balm.**

1. *C. canadensis* L. Rich moist woods. Frequent.

**PERILLA L.**

1. *P. frutescens* (L.) Britton. Frequent about dwellings and along roadsides.

**SOLANACEAE (Nightshade Family).**

**SOLANUM (Tourn.) L. Nightshade.**

1. *S. dulcamara* L. (Bittersweet). Moist thickets and waste places. Frequent.
2. *S. nigrum* L. (Common N.) Shaded and rich open grounds. Frequent.
3. *S. carolinense* L. (Horse Nettle). In waste places, and a troublesome weed in cultivated grounds. Common.
4. *S. Rostratum* Dunal. (Buffalo Bur.) A single specimen found in a field near Pennsburg. (Mumbauer).

**PHYSALIS L. Ground Cherry.**

1. *P. pubescens* L. Frequent in cultivated grounds.
2. *P. subglabrata* Mackenzie & Bush. Frequent in fields near Green Lane.
3. *P. virginiana* Mill. Frequent in cultivated grounds.
4. *P. heterophylla* Nees. In fields near Green Lane.

**NICANDRA Adans. Apple of Peru.**

1. *N. Physaloides* (L.) Pers. Buck's farm, Green Lane.

**LYCIUM L. Matrimony Vine.**

1. *L. hamilifolium* Mill. Along R. R. below Pennsburg, and along roadsides Green Lane. Not common.

**DATURA L. Jimson Weed.**

1. *D. Stramonium* L. (Stramonium). Waste grounds, not common.
2. *D. Tatula* L. (Purple Thorn-apple). Chiefly in waste grounds. Not common.

**SCROPHULARIACEAE (Figwort Family).**

**VERBASCUM (Tourn.) L. Mullein.**

1. *V. thapsus* L. (Common M.) A common weed in fields and waste places.
2. *V. blattaria* L. (Moth M.) Common in fields and waste places.

**LINARIA (Tourn.) Hill. Toadflax.**

1. *L. vulgaris* Hill. (Butter & Eggs). Frequent in fields and along roadsides throughout our range.
2. *L. Elantine* (L.) Mill. Fields near Sellersville. Rare. (Strohm).
3. *L. Cymbalaria* (L.) Mill. On a stone wall, in front of a house at Green Lane.
4. *L. canadensis* (L.) Dumont. Franconia Township. (F. Strohm).

**SCROPHULARIA (Tourn.) L. Figwort.**

1. *S. marilandica* L. Frequent in woods, thickets and along fencerows.
2. *S. leporella* Bicknell. In woods and along roadsides. Frequent.

**PENTSTEMON (Mitchell). Ait Beard-tongue.**

1. *P. hirsutus* (L.) Willd. Frequent in dry or rocky grounds.
2. *P. laevigatus* Ait. Var. *Digitalis* (Sweet). Gray. Abundant in a field along the Unami Creek, above Summeytown.

**CHELONE (Tourn.) L. (Turtlehead).**

1. *C. glabra* L. (Balmony). Frequent in wet thickets and along streams.

**MIMULUS L. Monkey Flower.**

1. *M. ringens* L. Frequent in moist and wet places.
2. *M. alatus* Ait. Along the East Branch near Perkasio. Rare. (Strohm). Towamencin. (Bartholomew).

**ILYSANTHES Raf. False Pimpernel.**

1. *I. dubia* (L.) Bernhart. Frequent in wet places.

**GRATIOLA L. Hedge Hyssop.**

1. *G. virginiana* L. Ditches or muddy places. Very abundant along the Perkiomen R. R. at Pennsburg.

**VERONICA (Tourn.) L. Speedwell.**

1. *V. virginica* L. (Culver's-root). Frequent in moist or dry grounds.
2. *V. Anagallis-aquatica* L. (Water S.) In brooks and ditches. Not common.
3. *V. americana* Schwein. (American Brooklime). Brooks, ditches, etc. Frequent.
4. *V. scutellata* L. (Marsh S.) In a bog above Pennsburg reservoir. Rare. Muddy stream near Ziegler'sville. Rare.
5. *V. officinalis* L. (Common S.) Common in dry fields, woods and along roadsides.
6. *V. serpyllifolia* L. (Thyme-leaved S.) Chiefly in damp grassy places.
7. *V. peregrina* L. (Neckweed). Frequent in waste and cultivated grounds.
8. *V. arvensis* L. (Corn S.) Common in cultivated grounds, especially in corn fields.

**GERARDIA (Plumeri.) L. Gerardia.**

1. *G. pedicularia* L. Abundant along roadside near Pleasant Run.
2. *G. flava* L. (Downy False Foxglove). Dry open woods, and rocky wooded hillsides. Frequent.
3. *G. virginica* (L.) BSP. (Smooth False F.) Dry and moist woods and thickets. Frequent.
4. *G. tenuifolia* Vahl. (Slender G.) Low or dry ground. Locally abundant.

**CASTILLEJA Mutis. Painted Cup.**

1. *C. coccinea* (L.) Spreng. Low moist ground. Locally abundant.

**MELAMPYRUM (Tourn.) L. Cow Wheat.**

1. *M. lineare* Lam. Frequent in open woods.

**PEDICULARIS (Tourn.) L. Lousewort.**

1. *P. canadensis* L. (Wood Betony). Dry or moist grounds, chiefly in meadows. Common.

**OROBANCHACEAE (Broom-rape Family).**

**EPIFAGUS Nutt. Beech-drops, Canaer-root.**

1. *E. virginiana* (L.) Bart. Frequent under Beech-trees, parasitic on their roots.

**CONOPHOLIS Wallr. Squaw-root, Cancer-root.**

1. *C. americana* (L. f.) Wallr. Common on moist wooded hillsides near Dietz's Mill.

**OROBANCHE (Tourn.) L. Broom-rape.**

1. *O. uniflora* L. (One-flowered Cancer root). Damp woodlands. Rare and local.

**BIGNONIACEAE (Bignonia Family).**

**CATALPA Scop. Catalpa, Indian Bean.**

1. *C. bignonioides* Walt. Frequent in woods and along fencerows. Escaped from cultivation. Very abundant along roadside above Markley's Mill.



**PHRYMACEAE (Lopseed Family).**

**PHRYMA L. Lopseed.**

1. *P. Leptostachya* L. Frequent in moist and open woods.

**PLANTAGINACEAE (Plantain Family).**

**PLANTAGO (Tourn.) L. Plantain.**

1. *P. major* L. (Common P.) Exceedingly common throughout our range.
2. *P. Rugelii* Dene. Dry fields, Pennsburg. Rare.
3. *P. lanceolata* L. (Rib Grass). Common in yards and cultivated grounds.
4. *P. media* L. (Hoary P.) In yards and along sidewalks, Pennsburg. Rare.
5. *P. Purshii* R. & S. Collected near Pennsburg. Exact station not known.
6. *P. aristata* Michx. A frequent weed in dry sterile soil.
7. *P. virginica* L. Woodland ways and fields, Summeytown.

**RUBIACEAE (Madder Family).**

**SHERARDIA (Dill.) L. Madder Family.**

1. *S. arvensis* L. Campus, Ursinus College, Collegeville. Rare. (Dr. Kline).

**GALIUM L. Bed Straw.**

1. *G. aparine* L. (Cleavers, Goose Grass). Frequent in various situations.
2. *G. verum* L. (Yellow B.) Along roadsides near Klinesville. Rare. (Mumbauer). Fields, Green Lane. Rare. (Brendle).
3. *G. circaeazans* Michx. (Wild Licorice). Frequent in rich woods.
4. *G. lanceolatum* Torr. Dry open woods. Frequent.
5. *G. Mollugo* L. Roadsides and in fields. Frequent.
6. *G. boreale* L. (Northern B.) Frequent in meadows and along fencerows.
7. *G. triflorum* Michx. (Sweet-scented B.) Rich woods. Frequent.
8. *G. Claytoni* Michx. Common in swamps and wet places.
9. *G. tinctorum* L. Damp shady places. Frequent.
10. *G. asprellum* Michx. (Rough B.) Common in various situations.
11. *G. pilosum* Ait. Frequent in dry woods.

**DIODIA (Gronovb.) L. Buttonweed.**

1. *D. teres* Walt. Along railroads and a troublesome weed in cultivated grounds.

**MITCHELLA L. Partridge Berry.**

1. *M. repens* L. In dry and moist woods. Frequent throughout our range.

**CEPHALANTHUS L. Buttonbush.**

1. *C. occidentalis* L. Frequent in meadows and along streams.

**HOUSTONIA L.**

1. *H. caerulea* L. (Bluets, Innocence). Common in moist grassy places throughout our range.

**CAPRIFOLIACEAE (Honeysuckle Family).**

**DIERVILLA (Tourn.) Mill. Bush Honeysuckle.**

1. *D. Lonicera* Mill. Dry woods and rocky places. Frequent.

**LONICERA L. Honeysuckle.**

1. *L. dioica* L. Rocky wooded hillsides. Frequent.
2. *L. sempervirens* L. (Trumped H.) Roadsides near Kumry. Rare.
3. *L. Japonicus* Thund. (Japanese H.) Escaped from cultivation, but freely established in woods, thickets, etc.
4. *L. canadensis* Marsh. Reported from Uhl's (White's Mill). By Keller & Brown.

**SYMPHORICARPUS (Dill.) Ludwig. Snowberry.**

1. *S. racemosa* Michx. Along Ridge Road, and at Green Lane. Possibly an escape.

**TRIOSTIUM. Feverwort, Horse Gentian.**

1. *T. perfoliatum* L. (Tinker's Weed). Rich low woods, and wooded hillsides. Frequent.
2. *T. aurantiacum* Bicknell. Frequent in open rocky, or sandy woods.
3. *T. angustifolium* L. Rich woods, Green Lane. Rare. (Brendle).

**VIBURNUM (Tourn.) L. Arrow-wood, Laurestinus.**

1. *V. acerifolium* L. (Dockmackie). Frequent in dry rocky places.
2. *V. dentatum* L. (Arrow-wood). Rich woods and wet places. Frequent.
3. *V. lentago* L. (Sweet V.) Woods, along streams and along fence-rows. Chiefly in moist soil.

4. *V. prunifolium* L. (Black Hawk). Dry or moist grounds. Frequent throughout our range.
5. *V. scabrellum* (T. & G.) Chapm. Woods, Green Lane. Not common.

**SAMBUSCUS (Tourn.) L. Elder.**

1. *S. canadensis* L. (Common Elder). Rich soil, in open places throughout our range.

**VALERIANACEAE (Valerian Family).**

**VALERIANELLA (Tourn.) Hill. Corn Salad.**

1. *V. Locusta* (L.) Betsche. Meadows, fields and waste places. Frequent.
2. *V. radiata* (L.) Durf. Frequent in low moist grounds.

**DIPSACEAE (Teasel Family).**

**DIPSACUS (Tourn.) L.**

1. *D. sylvestris* Huds. (Wild Teasel). Frequent in wet or dry places. Klinsville, Green Lane and Summeytown.

**CUCURBITACEAE (Gourd Family).**

**SICYOS L. One-seeded Bur Cucumber.**

1. *C. angulata* L. In yards and along streams. Frequent.

**ECHINOCHYSTIS, T. & G.**

1. *E. lobata* (Michx.) T. & G. Frequent along streams and in waste places.

**CAMPANULACEAE (Bluebell Family).**

**SPECULARIA (Hiest.) Fabricus, Venus's Looking-glass.**

1. *S. perfoliata* (L.) A. DC. Frequent in sterile open ground.

**CAMPANULA (Tourn.) L. Bellflower.**

1. *C. rapunculoides* L. Doorways and roadsides. Frequent.
2. *C. americana* L. (Tall Bellflower). West side Perkiomen Creek near Markley's Mill. Moist woods, Green Lane. Rare at both stations.
3. *C. aparinoides* Pursh. Wet grassy places. Frequent.

**LOBELIACEAE (Lobelia Family).**

1. *L. cardinalis* L. (Cardinal Flower). Frequent in moist low grounds.
2. *L. siphilitica* L. (Great Lobelia). Moist grounds. Locally abundant.
3. *L. spicata* Lam. Moist or dry soil. Frequent.
4. *L. inflata* L. (Indian Tobacco). Frequent in moist or dry sandy soil.

**COMPOSITAE (Composite Family).**

**VERNONIA Schreb. (Ironweed).**

1. *V. noveboracense* Willd. Frequent in moist low grounds throughout our region.

**EUPATORIUM (Tourn.) L. Thoroughwort.**

1. *E. purpureum* L. (Joe-Pye-weed). Frequent in low grounds, often in woods and thickets.
2. *E. maculatum* (L.) Darl. Frequent in wet places. Less common than the preceding.
3. *E. sessilifolium* L. (Upland Boneset). Dry woods and open hillsides. Frequent.
4. *E. perfoliatum* L. (Thoroughwort). Frequent in low grounds.
5. *E. urticaefolium* Reichenb. Frequent in rich woods.

**KUHNIA L.**

1. *K. eupatoreoides* L. Along Perkiomen R. R. above Collegeville. Rare. (Mumbauer).

**MIKANIA Willd. Climbing Hemp-seed.**

1. *M. scandens* (L.) Willd. Frequent in swamps and along streams.

**SOLIDAGO L. Goldenrod.**

1. *S. squarrosa* Muhl. Rocky soil. Frequent.
2. *S. caesia* L., Open woods, fields and thickets. Frequent.
3. *S. speciosa* Nutt. Frequent in moist and dry grounds.
4. *S. juncea* Ait. Frequent in dry or rocky soil.
5. *S. ulmifolia* Muhl. Dry woods, copses, etc. Frequent.
5. *S. bicolor* L. Dry open hillsides. Common.
7. *S. rugosa* Mill. Frequent along fencerows and in thickets.
8. *S. nemoralis* Ait. Dry open soil. Common throughout our range.
9. *S. canadensis* L. This or a form is frequent in the valley.
10. *S. serotina* Ait. Rich soil, thickets, etc. Frequent.
11. *S. rigida* L. Chiefly in dry sandy soil. Locally abundant.

12. *S. latifolia* L. Frequent in moist shaded woods.
13. *S. graminifolia* (L.) Salisb. Borders of woods and along roadsides. Common.
14. *S. altissima*. Frequent in rich open grounds.
15. *S. hispida* Muhl. Along R. R. at Green Lane.
16. *S. puberula* Nutt. Woods at Sumneytown.

**ASTER (Tourn.) L. Starwort, Aster.**

1. *A. divaricatus* L. Open woods and along roadsides. Frequent.
2. *A. Schreberi* Nees. Frequent in damp woods and thickets.
3. *A. novae-angliae* L. Copses and along roadsides. Rare.
4. *A. patens* Ait. Dry woods and along roadsides. Frequent. Var. *phlogifolius* Nees. With the species, but less frequent.
5. *A. undulatus* L. Frequent in dry soil.
6. *A. cordifolius* L. Woods and thickets. Frequent.
7. *A. Lowerianus* Porter. Frequent in open woods.
8. *A. laevis* Ell. In moist and dry soil. Common.
9. *A. ericoides* L. In various situations throughout our range.
10. *A. multiflorus* Ait. Dry sandy soil. Not common.
11. *A. paniculatus* Lam. Frequent in meadows, thickets, etc.
12. *A. prenanthoides* Muhl. Borders of streams and rich woodlands. Frequent.
13. *A. puniceus* L. Common in low thickets and swamps.
14. *A. umbellata* Mill. Roadsides near Dietz's Mill. Rare.
15. *A. linearifolius* L. Dry open and wooded hillsides. Frequent.
16. *A. salicifolius* Ait. Frequent in moist low grounds.
17. *A. lateriflora* (L.) Britton. Common in fields and thickets.

**ERIGERON L. Fleabane.**

1. *E. philadelphicus* L. Local in wet meadows throughout our range.
2. *E. annus* (L.) Pers. A common weed in cultivated grounds and waste places.
3. *E. ramosus* (Walt) BSP. Same range as the preceding.
5. *E. pulchellus* Michx. Moist woods and meadows. Common.
6. *E. canadensis* L. (Horse-weed). Chiefly in waste places. A common weed.

**SERICOCARPUS Nees. White-topped Aster.**

1. *S. asteroides* (L.) BSP. Rich open woodlands. Frequent.

**PLUCHEA Cass. Marsh Fleabane.**

1. *P. camphorita* (L.) DC. Two specimens collected in 1910 below the Pennsburg depot, by Mumbauer. Not since collected.

**ANTENNARIA Gaertn. Everlasting.**

1. *A. plantaginifolia* (L.) Richard. (Plantain-leaved E.) Common in dry soil.
2. *A. neglecta* Greene. Frequent in fields and open woods.
3. *A. neodioica* Green. Open woods, fields and yards. Common.

**ANAPHALIS DC. Everlasting.**

1. *A. margaritacea* (L.) B&H. (Pearly E.) Frequent in woods and recent clearings.

**GNAPHALIUM L. Cudweed.**

1. *G. polycephalum* Michx. (Common E.) Frequent in dry open places.
2. *G. uliginosum* L. (Low C.) Ditches, roadsides, etc. Rare and local.
3. *G. purpureum* L. Woods, Perkiomenville. (Brendle).

**INULA L. Elecampane.**

1. *I. helenium* L. (Elecampane). Roadside near Kumry. Rare. Meadows above Geo. Ziegler's farm. (Chas. Beysher). Woxall. (Brendle).

**AMBROSIA (Tourn.) L. Ragweed.\***

1. *A. trifida* L. (Great R.) Frequent in rich soil and along streams.
2. *A. artimisiifolia* L. (Roman Wormwood). Roadsides, etc. Common.

**XANTHIUM (Tourn.) L. Cocklebur.**

1. *X. canadense* Mill. Frequent in rich soil, especially in moist places.

**HELIOPSIS Pers. Ox-eye.**

1. *H. helanthoides* (L.) Sweet. Woods, Green Lane.
2. *H. scabra* Dunal. Along the Deep Creek dam near Green Lane.



**RUDBEKIA L. Cone-flower.**

1. *R. fulgida* Ait. Frequent in dry or moist soil.
2. *R. hirta* L. (Black-eyed Susan). Frequent in dry open soil.
3. *R. laciniata* L. Moist soil, chiefly along creeks. Common.

**HELIANTHUS L. Sunflower.**

1. *H. mollis* Lam. Dry sandy soil. Frequent.
2. *H. hirsutus* Raf. Frequent in dry soil.
3. *H. giganteus* L. Frequent in low thickets and swamps.
4. *H. decapetalus* L. Copses and low banks of streams, etc. Frequent.
5. *H. tuberosus* L. (Jerusalem Artichoke). In cultivation, but frequently found growing wild.
6. *H. divaricatus* L. Frequent in dry woodlands and thickets.
7. *H. annuus* L. (Common S.) Cultivated, but occasionally found growing in waste places.
8. *H. strumosus* L. Frequent along river banks and low copses.

**BIDENS L. Bur Marigold.**

1. *B. frondosa* L. (Beggar-ticks). Frequent in moist soil. Often a weed in cultivated grounds.
2. *B. connata* Muhl. (Swamp Beggar-ticks). Frequent in low grounds and ditches.
3. *B. bipinnata* L. (Spanish Needles). Common in moist soil.
4. *B. involucrata* Nutt.) Britton. Waste grounds, Pennsburg. Rare. (Mumbauer).
5. *B. trichosperma* (Michx.) Britton. Exact station not known, but collected somewhere along the Perkiomen R. R. below Collegeville in 1916, by Messrs. Kline & Mumbauer.
6. *B. cernua* L. (Stick-tight). Common in wet places throughout our region.

**GALINSOGA R. & P.**

1. *G. parviflora* Cav. Roadsides, yards and waste places. A common weed.

**HELENIUM L. Sneezeweed.**

1. *H. autumnale* L. River banks and wet grounds. Frequent.
2. *H. nudiflorum* Nutt. In a wet place below the Green Lane depot. Rare. (Allebach).

**ACHILLEA (Vaill.) L. Yarrow.**

1. *A. Millefolium* L. (Common Y.) Chiefly in dry soil. Common throughout our range. Var. *roseum*, With the typical form but less common.

**ANTHEMIS (Michx.) L. Chamomile.**

1. *A. cotula* L. (May-weed). Frequent in yards and along roadsides.
2. *A. arvensis* L. (Corn C.) Corn fields, waste places, etc. Common.

**CHRYSANTHEMUM (Tourn.) L. Ox-eye Daisy.**

1. *C. Leucanthemum* L. (White Daisy). Common in all situations throughout our range.

**TANACETUM L. Tansy.**

1. *T. vulgare* L. (Common T.) Escaped from cultivation to roadsides and fields.

**ARTEMISIA L. Wormwood.**

1. *A. annua* L. A common weed in waste and cultivated grounds.
2. *A. vulgaris* L. (Common Mugwort). Abundant at the Perkiomenville stone crusher.
3. *A. biennis*, Willd. Barnyard, above University Camp.

**TUSSILAGO (Tourn.) L. Coltsfoot.**

1. *T. Farfara* L. In a springy place, west side Perkiomen Creek, west of Red Hill. Rare. (Mumbauer).

**ERECHITES Raf. Fireweed.**

1. *E. hieracifolia* (L.) Raf. Frequent in moist woods and recently burned over clearings.

**SENECIO (Tourn.) L. Ragwort, Squaw-weed.**

1. *S. obovatus* Muhl. Frequent in moist open woods.
2. *S. aurea* L. (Golden R.) Frequent in wet meadows, moist thickets and swamps.

**ARCTIUM L. Burdock.**

1. *A. minus* Bernh. (Common Burdock). A common weed throughout our range.

**CARDUUS (Tourn.) L. Plumeless Thistle.**

1. *C. crispus* L. A single specimen collected in a field near Pennsburg in 1907, by Mumbauer. Not since collected.

**CIRCIUM (Tourn.) Hill. Common or Plume Thistle.**

1. *C. lanceolatum* (L.) Hill (Common or Bull T.) Frequent in fields and waste places.
2. *C. discolor* (Muhl.) Spreng. Frequent along roadsides and in fields.
3. *C. altissimum* (L.) Spreng. Frequent in fields and thickets.
4. *C. muticum* Michx. (Swamp Thistle). Swamps and low woods. Frequent.
5. *C. arvense* (L.) Scop. A frequent weed in cultivated grounds, pastures, etc. Var. *integrifolium* Wimm & Grab. Similar locations like the species.
6. *pumilum* (Nutt.) Spreng. Frequent in dry fields and pastures.

**ONOPORDUM (Vaill.) L. Cotton or Scotch Thistle.**

1. *O. Acanthus* L. Rare along the Perkiomen R. R. north of Palm.

**CENTAUREA L. Star Thistle.**

1. *C. Jacea* L. In fields Green Lane, and along R. R. north of Hosensack Station. Rare at both stations. Var. *lacera*, Koch. Green Lane along roadside.
2. *C. maculosa* Lam. Fields, Green Lane.

**CHICORIUM (Tourn.) L. Chicory.**

7. *C. intybus* L. (Common Chicory). A common weed.

**KRIGIA Schreb. Dwarf Dandelion.**

1. *K. virginica* (L.) Willd. Dry soil, chiefly in woods. Locally abundant.
2. *K. amplexicaulis* Nutt. (Cynthia). Common in moist woods and meadows.

**TRAGOPOGON (Tourn.) L. Goat's Beard.**

1. *T. porrifolius* L. (Salsify or Oyster plant). Old grave yards. Six Cornered and Old Goshenhoppen churches.
2. *T. pratensis* L. (Goat's Beard). Fields and doorways. Local.

**TARAXACUM (Halle.) Ludwig, Dandelion.**

1. *T. officinalis* Weber. (Common D.) Common in all kinds of soil throughout our range.
2. *T. erythrospermum* Andr. (Red-seeded D.) Frequent in woods and fields.

**SONCHUS (Tourn.) L. Sow Thistle.**

1. *S. arvensis* L. Common in fields and along roadsides.
2. *S. oleoraceus* L. (Common S.) Waste places, chiefly about dwellings. Common.
3. *S. asper* (L.) Hill. Frequent in waste places and along railroads.

**LACTUCA (Tourn.) L. Lettuce.**

1. *L. scariola* L. (Prickly L.) Roadsides, railway ballast, etc. Common.
2. *L. canadensis* L. (Horse weed). Frequent in dry and moist soil.
3. *L. spicata* (Lam.) Hitchc. Low grounds, open and wooded hillsides. Frequent.
4. *L. villosa*, Jacq. Infrequent in thickets.
5. *L. sagittifolia*, Ell. Occasional in fields, Green Lane.

**CREPIS L. Hawk's Beard.**

1. *C. tectorum* L. Cemetery, Sellersville. Rare. (Strohm).

**PRENANTHES (Vaill.) L. Rattlesnake Root.**

1. *P. altissima* L. Rich moist woods. Frequent.
2. *P. alba* L. (White Lettuce, Rattlesnake-root). Rich woods and thickets. Frequent.
3. *P. sepentaria* Pursh. (Lion's-foot, Gall-of-the-earth). Frequent in dry open soil.

**CACALIA L. Indian Plaitain.**

1. *C. atriplicifolia* L. (Pale Indian P.) Wooded hillsides near Pleasant Run, and along roadside, east of Spring Mount. Rare at both stations.

**HIERACIUM (Tourn.) L. Hawkweed.**

1. *H. aurantiacum* L. (Orange H.) Fields, etc. Rare and local.
2. *H. venosum* L. (Rattlesnake-weed). Chiefly in dry open woods.
3. *H. panic ulatum* L. Dry open woods. Frequent.
4. *H. scabrum* Michx. Dry woods and pastures. Frequent.
5. *H. pratense* Tausch (King Devil). Local in a field along the Macoby Creek, east of Pennsburg.
6. *H. Gronovii* L. Fields above University Camp. Rare.